

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

5. Lease Serial No.
UTU-01191-A

6. If Indian, Allottee or Tribe Name

1a. Type of Work: ☒ DRILL ☐ REENTER
b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone

7. If Unit or CA Agreement, Name and No.
UNIT #891008900A

8. Lease Name and Well No.
NBU 1022-05BT

2. Name of Operator
KERR-MCGEE OIL & GAS ONSHORE LP

9. API Well No.
43047-40153

3A. Address
PO BOX 173779, DENVER, CO 80123

3b. Phone No. (include area code)
(720) 929-6666

10. Field and Pool, or Exploratory
NATURAL BUTTES

4. Location of Well (Report location clearly and in accordance with any State requirements.)*
At surface NWNE - 1028' FNL, 1886' FEL, LOT2 631466X 39.982442
At proposed prod. Zone 4426734Y 109.460327

11. Sec., T., R., M., or Blk, and Survey or Area
SEC 5-T10S-R22E

14. Distance in miles and direction from nearest town or post office*
26 +/- MILES SOUTH EAST OF OURAY, UTAH

12. County or Parish
UINTAH

13. State
UT

15. Distance from proposed*
location to nearest
property or lease line, ft.
(Also to nearest drig. unit line, if any)
1028'

16. No. of Acres in lease
1363.21

17. Spacing Unit dedicated to this well
40

18. Distance from proposed location*
to nearest well, drilling, completed,
applied for, on this lease, ft.
REFER TO
TOPO C

19. Proposed Depth
9300

20. BLM/BIA Bond No. on file
WYB-000291

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5152 GR

22. Approximate date work will start*
UPON APPROVAL

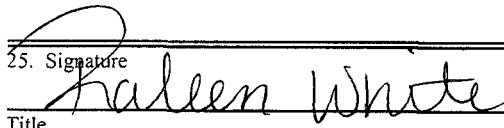
23. Estimated duration
TO BE DETERMINED

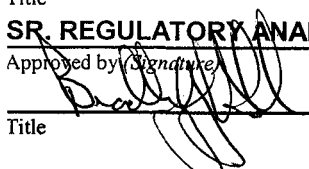
24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office.

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized office.

25. Signature  Name (Printed/Typed) RALEEN WHITE Date 6/13/2008

Title SR. REGULATORY ANALYST
Approved by  Name (Printed/Typed) BRADLEY G. HILL Date 06-18-08
Title Office ENVIRONMENTAL MANAGER

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

RECEIVED

JUN 16 2008

DIV. OF OIL, GAS & MINING

Federal Approval of this
Action is Necessary

SCALE: 1" = 1000'

**NBU 1022-05BT
TWIN TO NBU 140
NWNE, SEC. 5, T10S, R22E
UINTAH COUNTY, UTAH
UTU-01191-A**

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers:

| <u>Formation</u> | <u>Depth</u> |
|------------------|--------------|
| Uinta | 0- Surface |
| Green River | 1301' |
| Birds Nest | 1640' |
| Mahogany | 2109' |
| Wasatch | 4500' |
| Mesaverde | 7036' |
| TD | 9300' |

2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

| <u>Substance</u> | <u>Formation</u> | <u>Depth</u> |
|------------------|------------------|--------------|
| | Green River | 1301' |
| Water | Birds Nest | 1640' |
| Water | Mahogany | 2109' |
| Gas | Wasatch | 4500' |
| Gas | Mesaverde | 7036' |
| Water | N/A | |
| Other Minerals | N/A | |

3. Pressure Control Equipment (Schematic Attached)

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

4. Proposed Casing & Cementing Program:

Please see the Natural Buttes Unit SOP.

5. Drilling Fluids Program:

Please see the Natural Buttes Unit SOP.

6. Evaluation Program:

Please see the Natural Buttes Unit SOP.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 9300' TD, approximately equals 5766 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3720 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

Drilling is planned to commence immediately upon approval of this application.

9. **Variances:**

Please see Natural Buttes Unit SOP. Please see KMG sundry regarding variance request to Onshore Order #2 regarding Air drilling for surface casing

10. **Other Information:**

Please see Natural Buttes Unit SOP.

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

| | | | |
|-------------------|--|-----------------------|---------------------|
| COMPANY NAME | KERR-McGEE OIL & GAS ONSHORE LP | DATE | June 13, 2008 |
| WELL NAME | NBU 1022-05BT | TD | 9,300' MD/TVD |
| FIELD | Natural Buttes | COUNTY | Uintah |
| | | STATE | Utah |
| | | ELEVATION | 5,152' GL KB 5,167' |
| SURFACE LOCATION | NWNE - SEC. 5, T10S, R22E - 1028' FNL, 1886' FEL LOT 2 | | BHL Straight Hole |
| | Latitude: 39.982470 | Longitude: 109.460390 | |
| OBJECTIVE ZONE(S) | Wasatch/Mesaverde | | |
| ADDITIONAL INFO | Regulatory Agencies: UDOGM (SURF & MINERALS), BLM, Tri-County Health Dept. | | |

| GEOLOGICAL FORMATION | | | HOLE SIZE | MECHANICAL CASING SIZE | MUD WEIGHT |
|--|---------------------------|--------|-----------|--|---------------------------------------|
| LOGS | TOPS | DEPTH | | | |
| | | 40' | | 14" | |
| | | | 12-1/4" | 9-5/8", 36#, J-55, LTC | Air mist |
| Catch water sample, if possible, from 0 to 4,500' | | | | | |
| | Green River @ | 1,301' | | | |
| | Top of Birds Nest Water @ | 1640' | | | |
| | Mahogany @ | 2,109' | | | |
| | Preset f/ GL @ | | | | |
| | 2,200' MD | | | | |
| Note: 12.25" surface hole will usually be drilled $\pm 400'$ below the bottom of lost circulation zone. Drilled depth may be $\pm 200'$ of the estimated set depth depending on the actual depth of the loss zone. | | | | | |
| Mud logging program TBD Open hole logging program f/ TD - surf csg | | | | | |
| | Wasatch @ | 4,500' | 7-7/8" | 4-1/2", 11.6#, I-80 or equivalent LTC casing | Water/Fresh Water Mud 8.3-10.0 ppg |
| | Mverde @ | 7,036' | | | |
| | MVU2 @ | 7,878' | | | |
| | MVL1 @ | 8,532' | | | |
| | TD @ | 9,300' | | | Max anticipated Mud required 10.0 ppg |



KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

CASING PROGRAM

| | SIZE | INTERVAL | WT. | GR. | CPLG. | DESIGN FACTORS | | |
|------------|--------|-----------|-------|------|-------|----------------------|----------------------|--------------------------|
| | | | | | | BURST | COLLAPSE | TENSION |
| CONDUCTOR | 14" | 0-40' | | | | | | |
| SURFACE | 9-5/8" | 0 to 2200 | 36.00 | J-55 | LTC | 3520 1.26 7780 | 2020 1.96 6350 | 453000 7.28 201000 |
| PRODUCTION | 4-1/2" | 0 to 9300 | 11.60 | I-80 | LTC | 2.79 | 1.31 | 2.13 |

- 1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)
2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)
(Burst Assumptions: TD = 10.0 ppg) .22 psi/ft = gradient for partially evac wellbore
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MASP 2790 psi

CEMENT PROGRAM

| | | FT. OF FILL | DESCRIPTION | SACKS | EXCESS | WEIGHT | YIELD |
|---------------------|-----------------|-------------|--|---------|--------|--------|-------|
| SURFACE Option 1 | LEAD | 500 | Premium cmt + 2% CaCl + .25 pps flocele | 215 | 60% | 15.60 | 1.18 |
| | TOP OUT CMT (1) | 200 | 20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele | 50 | | 15.60 | 1.18 |
| | TOP OUT CMT (2) | as required | Premium cmt + 2% CaCl | as req. | | 15.60 | 1.18 |
| SURFACE Option 2 | | | NOTE: If well will circulate water to surface, option 2 will be utilized | | | | |
| | LEAD | 1500 | Prem cmt + 16% Gel + 10 pps gilsonite + .25 pps Flocele + 3% salt BWOC | 170 | 35% | 11.00 | 3.82 |
| | TAIL | 500 | Premium cmt + 2% CaCl + .25 pps flocele | 180 | 35% | 15.60 | 1.18 |
| | TOP OUT CMT | as required | Premium cmt + 2% CaCl | as req. | | 15.60 | 1.18 |
| PRODUCTION | LEAD | 4,000' | Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender | 440 | 60% | 11.00 | 3.38 |
| | TAIL | 5,300' | 50/50 Poz/G + 10% salt + 2% gel +.1% R-3 | 1480 | 60% | 14.30 | 1.31 |

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

| | |
|------------|---|
| SURFACE | Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe. |
| PRODUCTION | Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers. |

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER:

Brad Laney

DATE:

DRILLING SUPERINTENDENT:

Randy Bayne

DATE:

**NBU 1022-05BT
TWIN TO NBU 140
NWNE, SEC. 5, T10S, R22E, SLB&M
UINTAH COUNTY, UTAH
UTU-01191-A**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. Existing Roads:

Refer to the attached location directions.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

2. Planned Access Roads:

No new access road is proposed. Refer to Topo Map B.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities were determined at the on-site.

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

3. Location of Existing Wells Within a 1-Mile Radius:

Please refer to Topo Map C.

4. Location of Existing & Proposed Facilities:

Please see the Natural Buttes Unit SOP.

Utilizing existing pipeline.

Variances to Best Management Practices (BMPs) Requested:

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon Brown (2.5Y 6/2), a non-reflective earthtone.

Interim Surface Reclamation Plan:

This exception is requested due to the current twin and multi-well program. If determined that this well will not be a candidate for either twinning &/or multi-well the operator shall spread the topsoil pile on the location up to the rig anchor points. The location will be reshaped to the original contour to the extent possible. The operator will reseed the area using the BLM recommended seed mixture and reclamation methods.

5. **Location and Type of Water Supply:**

Please see the Natural Buttes SOP.

6. **Source of Construction Materials:**

Please see the Natural Buttes SOP.

7. **Methods of Handling Waste Materials:**

Please see the Natural Buttes SOP.

A plastic reinforced liner is to be used as discussed during on-site inspection. It will be a minimum of 20 mil thick and felt, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E, Pipeline Facility Sec. 36, T9S, R20E, Goat Pasture Evaporation Pond SW/4 Sec. 16, T10S, R22E, Bonanza Evaporation Pond Sec. 2, T10S, R23E (*Request is in lieu of filing Form 3160-5, after initial production*).

8. **Ancillary Facilities:**

Please see the Natural Buttes SOP.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

Location size may change prior to the drilling of the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling rig. The location will be re-surveyed and a form 3160-5 will be submitted.

10. **Plans for Reclamation of the Surface:**

Please see the Natural Buttes SOP.

Upon reclamation of the pit the operator will utilize the same seed mix approved for the NBU 165. Operator shall call the BLM for the seed mixture when final reclamation occurs.

11. **Surface and Mineral Ownership:**

The well pad, access road, pipeline and mineral ownership are listed below:

United States of America
Bureau of Land Management
170 South 500 East
Vernal, UT 84078
(435)781-4400

13. **Other Information:**

A Class III archaeological survey, T&E Clearance and a paleontological survey have been performed and will be sent to the BLM with a form letter

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within the boundaries of the Unit.

13. Lessee's or Operator's Representative & Certification:

Raleen White
Sr. Regulatory Analyst
Kerr-McGee Oil & Gas Onshore LP
PO Box 173779
Denver, CO
(720) 929-6666

Randy Bayne
Drilling Manager
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435) 781-7018

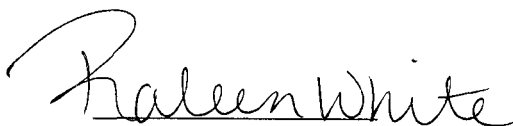
Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under the terms and conditions of the lease for the operations conducted upon leased lands.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by BLM Nationwide Bond #WYB000291.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.


Raleen White

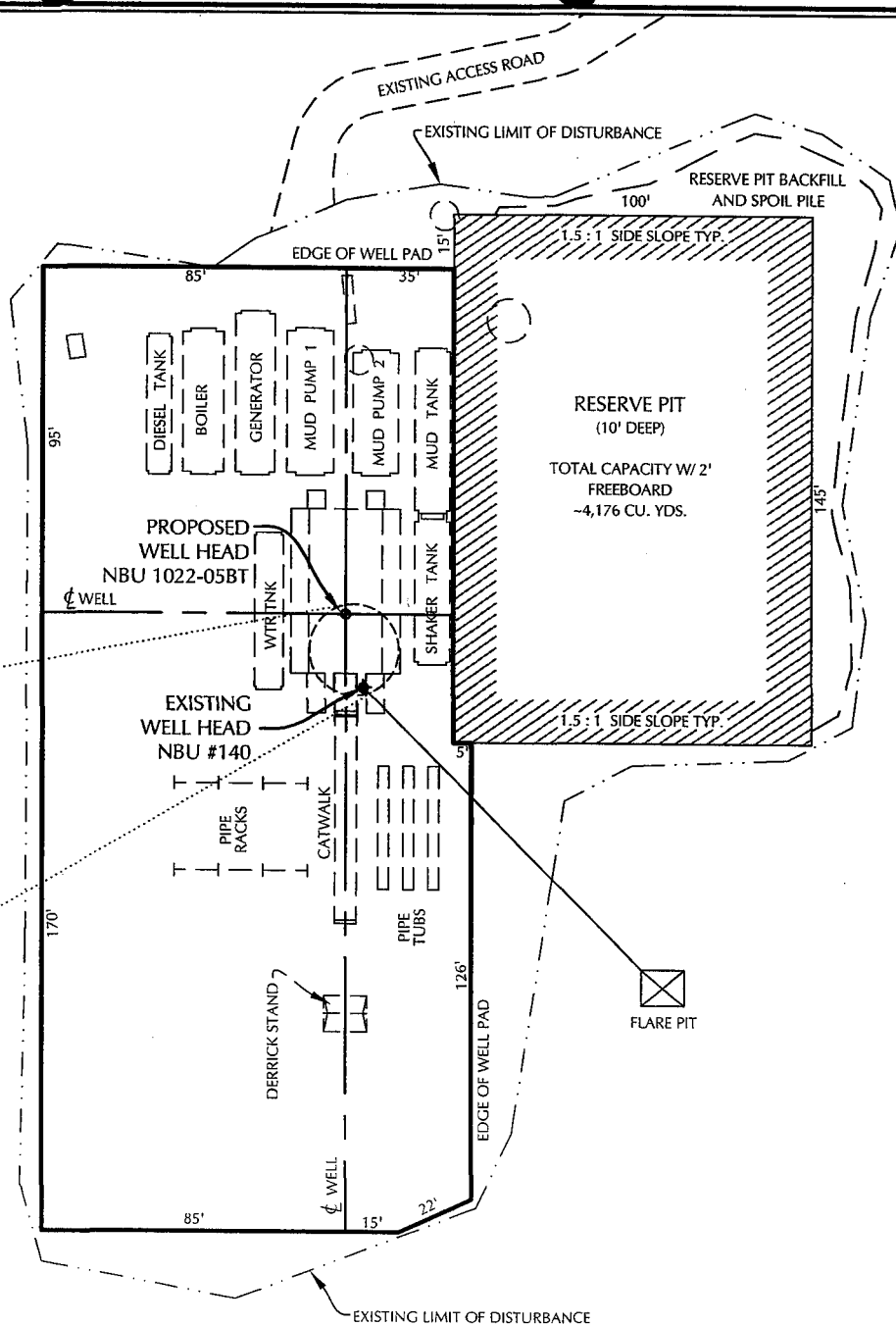
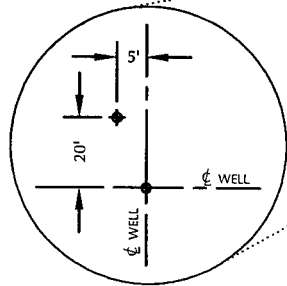
6/13/2008

Date

Kerr-McGee Oil & Gas Onshore, LP
NBU #1022-05BT
SECTION 5, T10S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH, ALONG U.S. HIGHWAY 40 APPROXIMATELY 13.2 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 16.5 MILES TO OURAY, UTAH; PROCEED FROM OURAY, UTAH, IN A SOUTHERLY DIRECTION ON STATE HIGHWAY 88 APPROXIMATELY 9.4 MILES TO THE JUNCTION OF STATE HIGHWAY 88 AND SEEP RIDGE ROAD; EXIT LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND GLEN BENCH ROAD; EXIT LEFT AND PROCEED IN AN EASTERLY DIRECTION FOR APPROXIMATELY 5.1 MILES TO THE JUNCTION OF THIS ROAD AND BITTER CREEK ROAD; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION, GRADUALLY CHANGING TO SOUTHEASTERLY FOR APPROXIMATELY 4.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY DIRECTION, GRADUALLY CHANGING TO NORTHEASTERLY APPROXIMATELY 3.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY DIRECTION, GRADUALLY CHANGING TO NORTHEASTERLY APPROXIMATELY 1.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY DIRECTION, GRADUALLY CHANGING TO NORTHWESTERLY APPROXIMATELY 1.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN LEFT AND PROCEED IN A WESTERLY DIRECTION, GRADUALLY CHANGING TO SOUTHWESTERLY APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND THE PROPOSED NBU 1022-05BT WELL LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH, TO THE PROPOSED NBU 1022-05BT WELL LOCATION IS APPROXIMATELY 55.9 MILES.



NOTES:

1. FLARE PIT IS TO BE LOCATED A MIN. OF 100' FROM THE WELL HEAD
2. ELEVATION BASED ON TRI-STA "TWO WATERS" LOCATED IN THE NW1/4 OF SEC. 1, T.10S., R.21E., S.L.B. & M. (THE ELEVATION OF THIS TRI-STA IS SHOWN ON THE BIG PACK MTN. NE 7.5 MIN. QUADRANGLE AS BEING 5,238')
3. NBU 1022-05BT EXISTING GROUND ELEVATION = 5,152.0'

**KERR-MCGEE OIL & GAS
ONSHORE, LP**

1099 18th Street, Suite 1200 - Denver, Colorado 80202

**NBU 1022-05BT
LOCATION LAYOUT
1,028' FNL - 1,886' FEL
LOT 2, SEC. 5, T.10S., R.22E.
S.L.B. & M., UINTAH COUNTY, UTAH**



**CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182**



SCALE: 1" = 50'

| | | |
|---------------|--------------|-----------|
| Scale: 1"=50' | Date: 6/6/08 | SHEET NO: |
| REVISED: | BY DATE | 3 3 OF 7 |

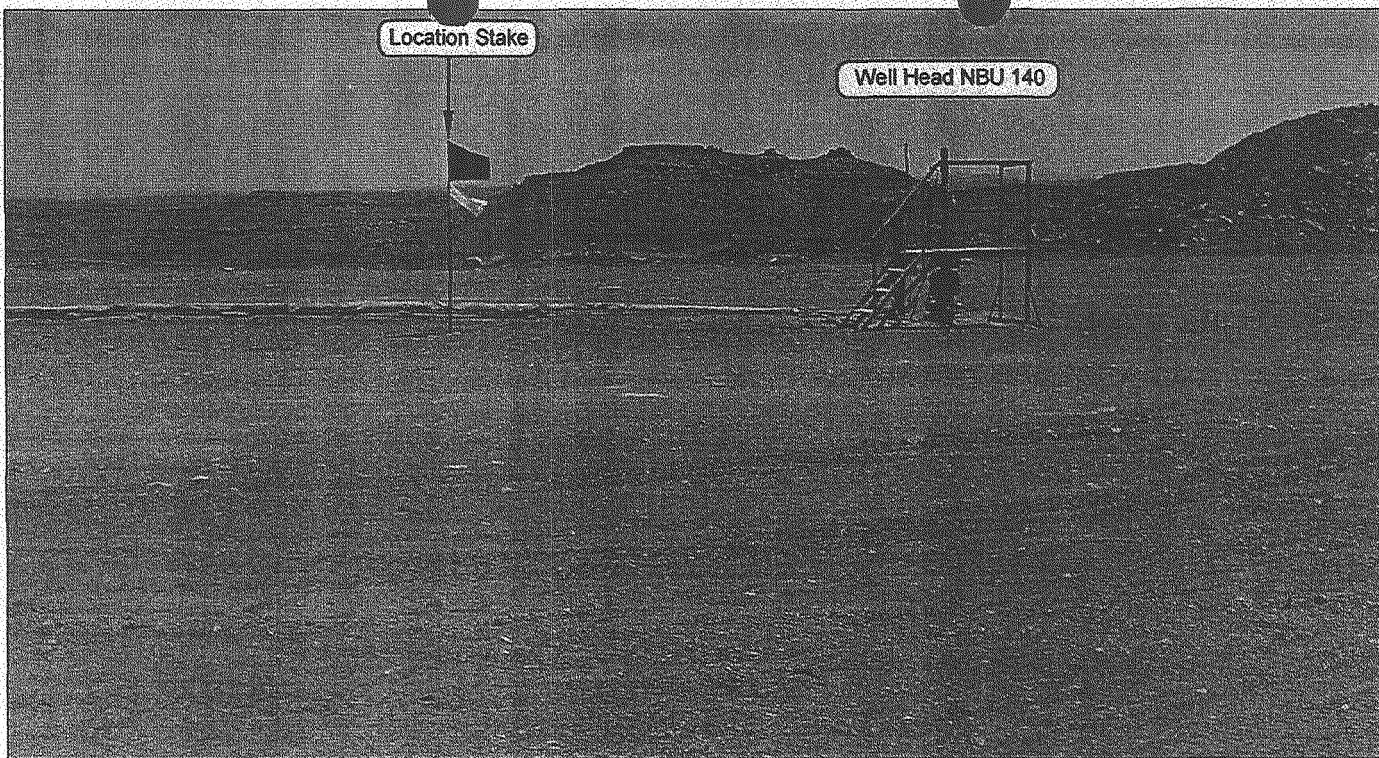


PHOTO VIEW: LOCATION STAKE

CAMERA ANGLE: EASTERLY

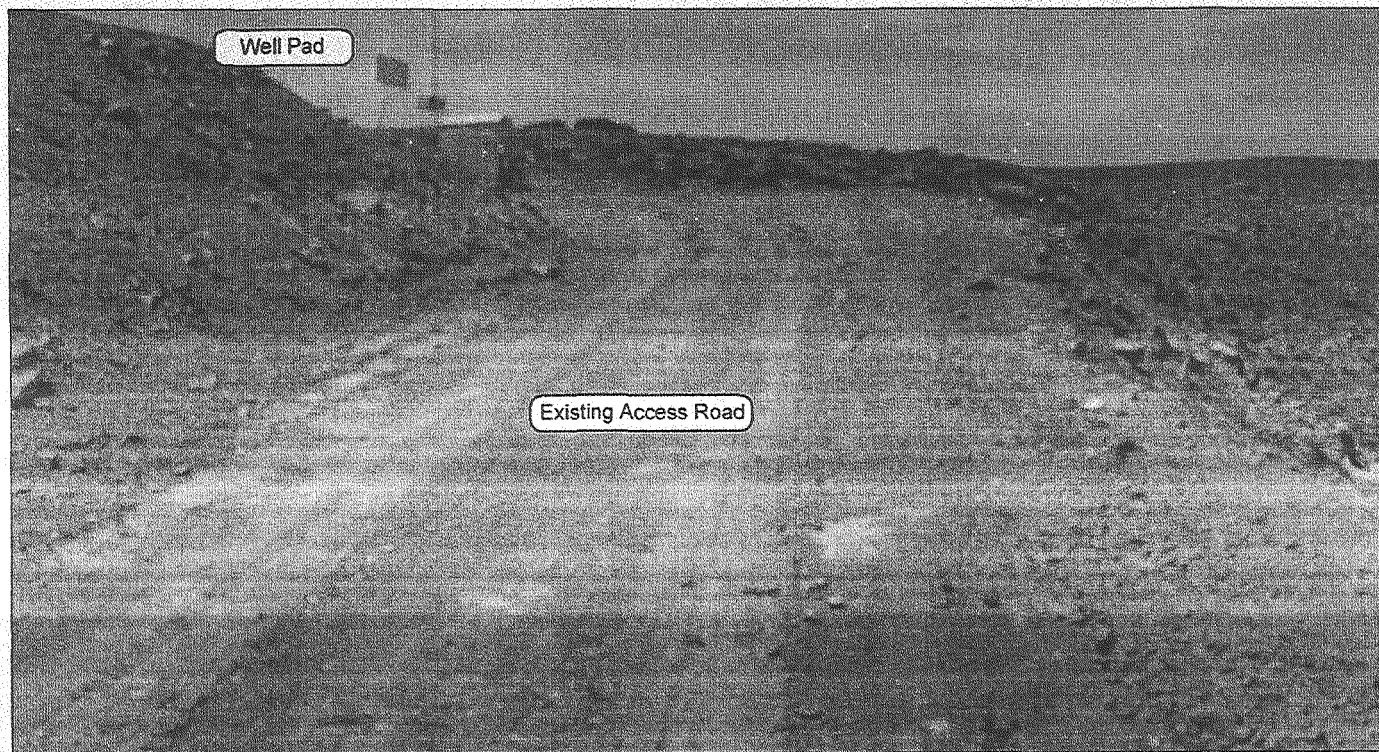


PHOTO VIEW: FROM EXISTING ROAD

CAMERA ANGLE: SOUTHWESTERLY

**Kerr-McGee
Oil & Gas Onshore, LP**

1099 18th Street, Suite 1200 - Denver, Colorado 80202

NBU 1022-05BT
1028' FNL, 1886' FEL
LOT 2 OF
SECTION 5, T10S, R22E, S.L.B.&M.
UINTAH COUNTY, UTAH.



CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

LOCATION PHOTOS

TAKEN BY: B.J.S.

DRAWN BY: B.R.B.

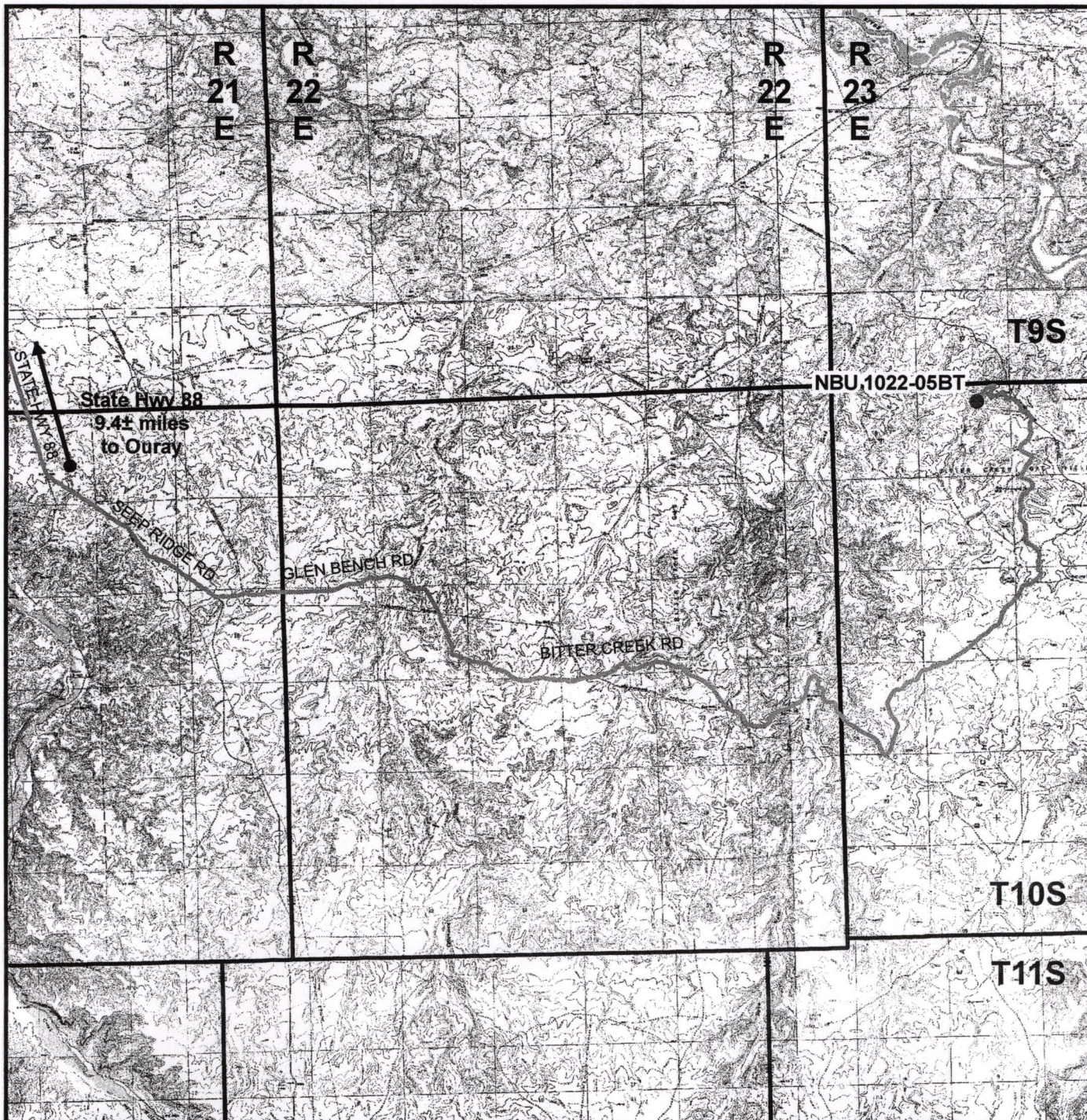
DATE TAKEN: 05-31-08

DATE DRAWN: 06-03-08

REVISED:

Timberline (435) 789-1365
Engineering & Land Surveying, Inc.
38 WEST 100 NORTH VERNAL, UTAH 84078

SHEET
4
OF 7



Legend

- Proposed NBU 1022-05BT Well Location

— Existing Access Roads

Anadarko Petroleum Corporation

1099 18th Street, Suite 1200 - Denver, Colorado 80202

NBU 1022-05BT

Topo A

1028' FNL, 1886' FEL

Lot 2, Section 5, T10S, R22E

S.L.B.&M., Uintah County, Utah



CONSULTING, LLC

371 Coffeen Avenue
Sheridan, WY 82801
Phone (307) 673-0036
Fax (307) 674-0182



Scale: 1:100,000

NAD83 US P Centra

Sheet No:

Drawn: JELO

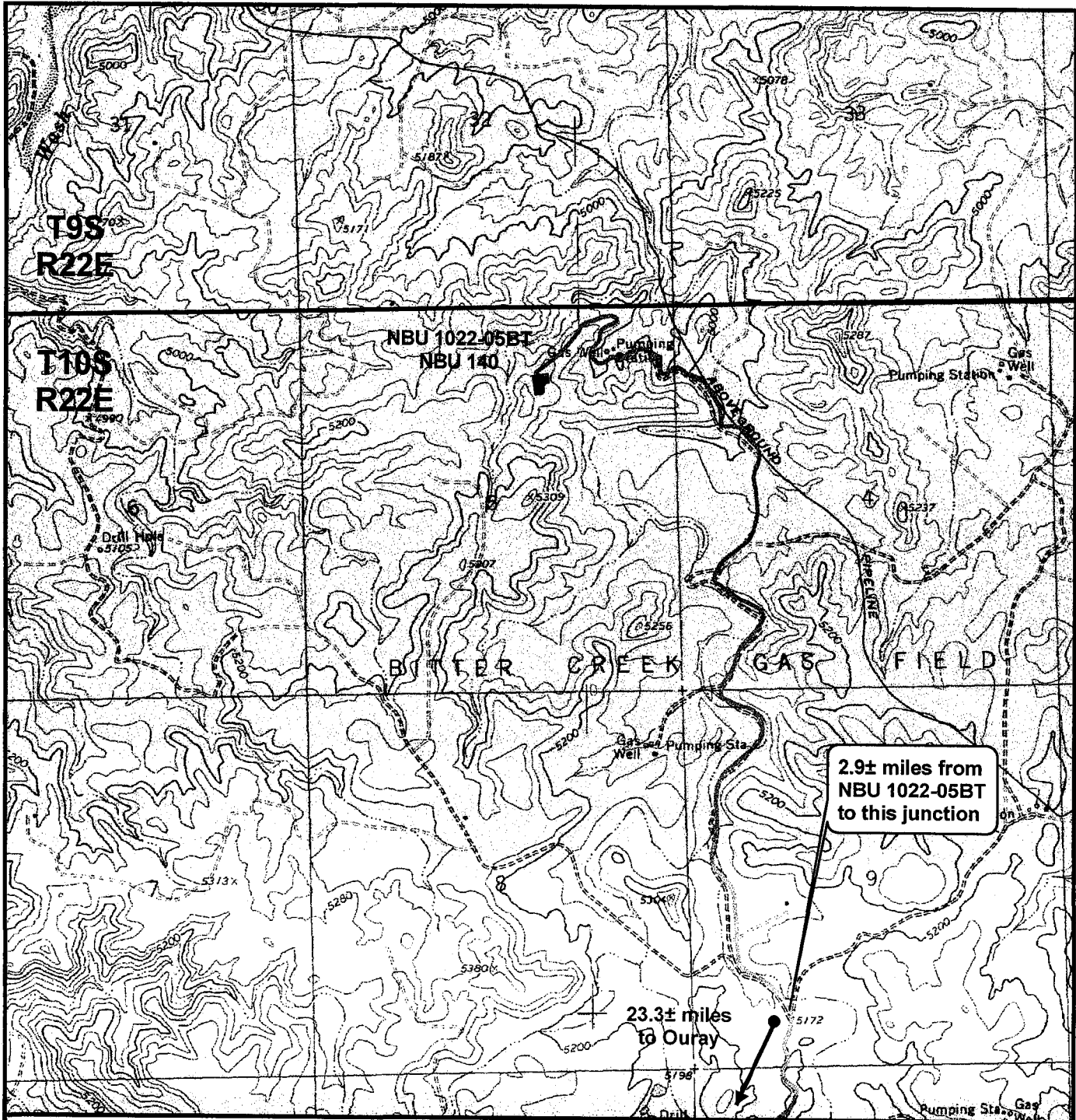
Date: 6 June 2008

Revised:

Date:

5

5 of 7



Legend

- Proposed NBU 1022-05BT Well Location

— Existing Access Roads

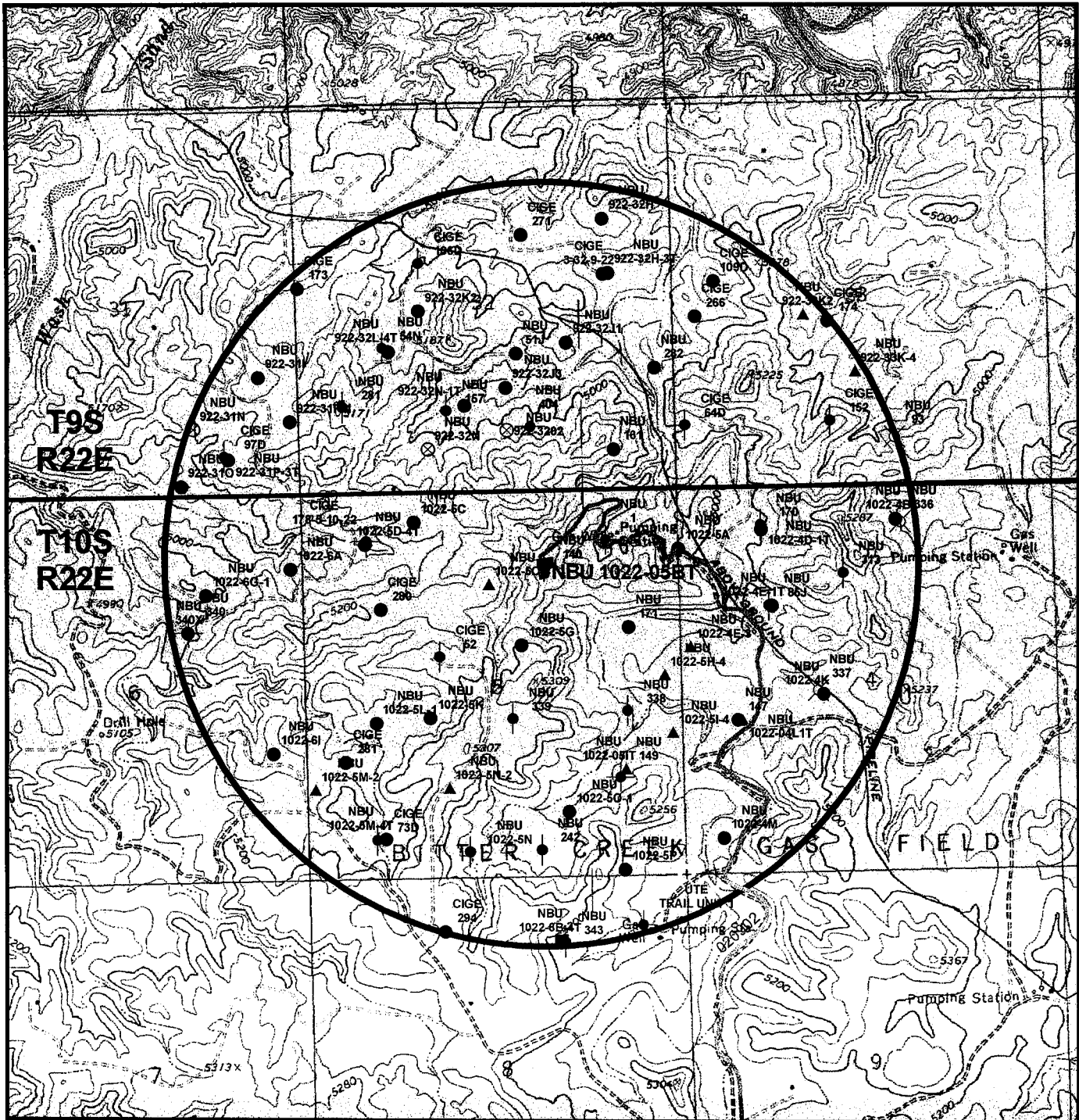
Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street, Suite 1200 - Denver, Colorado 80202

NBU 1022-05BT
Topo B
1028' FNL, 1886' FEL
Lot 2, Section 5, T10S, R22E
S.L.B.&M., Uintah County, Utah


CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone (307) 673-0036
Fax (307) 674-0182



| | | |
|--------------------|-------------------|-----------|
| Scale: 1" = 2000ft | NAD83 US P Centra | Sheet No: |
| Drawn: JELO | Date: 6 June 2008 | 6 |
| Revised: | Date: | 6 of 7 |



Legend

- Proposed NBU 1022-05BT Well Location

— Existing Access Roads

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street, Suite 1200 - Denver, Colorado 80202

NBU 1022-05BT

Topo C

1028' FNL, 1886' FEL

Lot 2, Section 5, T10S, R22E

S.L.B.&M., Uintah County, Utah



CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone (307) 673-0036
Fax (307) 674-0182



- Producing
- ▲ Approved permit (APD); not yet spudded
- New Permit (Not yet approved or drilled)
- Temporarily-Abandoned
- ⊗ Location Abandoned
- ⊕ Plugged and Abandoned
- Shut-In
- ⊗ Returned APD (Unapproved)

Scale: 1" = 2000ft

NAD83 US P Centra

Sheet No:

Drawn: JELo

Date: 6 June 2008

Revised:

Date:

7

7 of 7

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 06/16/2008

API NO. ASSIGNED: 43-047-40155

WELL NAME: NBU 1022-05BT

OPERATOR: KERR-MCGEE OIL & GAS (N2995)

PHONE NUMBER: 720-929-6666

CONTACT: RALEEN WHITE

PROPOSED LOCATION:

NWNE 05 100S 220E

SURFACE: 1028 FNL 1886 FEL

BOTTOM: 1028 FNL 1886 FEL

COUNTY: Uintah

LATITUDE: 39.98244 LONGITUDE: -109.4603

UTM SURF EASTINGS: 631466 NORTHINGS: 4426734

FIELD NAME: NATURAL BUTTES (630)

| | | |
|------------------------|-----------------|-------------|
| INSPECT LOCATN BY: / / | | |
| Tech Review | Initials | Date |
| Engineering | | |
| Geology | | |
| Surface | | |

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-01191-A

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: MVRD

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. WYB-000291)
☒ Potash (Y/N)
☒ Oil Shale 190-5 (B) or 190-3 or 190-13
☒ Water Permit
(No. 43-8496)
☒ RDCC Review (Y/N)
(Date:)
☒ Fee Surf Agreement (Y/N)
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3.
Unit: NATURAL BUTTES
___ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
___ R649-3-3. Exception
☒ Drilling Unit
Board Cause No: 173-14
Eff Date: 12-2-1999
Siting: 460' R649-3-3. Uncomm. Tract
___ R649-3-11. Directional Drill

COMMENTS: See, Separate file

STIPULATIONS: 1- Federal Approval
2- OIL SHALE



June 9, 2008

Utah Division of Oil, Gas & Mining
1594 W. North Temple, STE 1210
Salt Lake City, UT 84114-5801

Attention: Diana Mason

RE: Twin Locations

Dear Diana:

Per our email correspondences on June 6, 2008 Kerr-McGee Oil & Gas Onshore LP is submitting this letter regarding our twin program. We have several wells that plan to twin in the next few years. Our plan is to drill a second well bore to the Mesaverde formation. The currently producing wells are producing from the Wasatch formation and many will be plugged prior to drilling the Mesaverde well. Below is a current list of locations that we plan to drill a twin Mesaverde well.

| | | | |
|-------------------|---------------------------|---------------|----------------------|
| ✓Wissiu 820-36PT | Twin to the Wissiu 36-114 | NBU 1022-3FT | Twin to the NBU 286 |
| ✓Federal 821-33MT | Twin to the Federal 33-93 | NBU 1022-5BT | Twin to the NBU 140 |
| NBU 920-15FT | Twin to the CIGE 22 | NBU 1022-5IT | Twin to the NBU 338 |
| NBU 921-26IT | Twin to the NBU 68-N2 | NBU 1022-8IT | Twin to the CIGE 250 |
| NBU 921-30FT | Twin to the NBU 261 | NBU 1022-9AT | Twin to the NBU 291 |
| NBU 921-31BT | Twin to the NBU 378 | NBU 1022-10HT | Twin to the NBU 293 |
| NBU 921-35AT | Twin to the CIGE 54D | NBU 1022-10FT | Twin to the NBU 248 |
| NBU 922-31CT | Twin to the NBU 354 | ✓NBU 921-03BT | Twin to SHOYO 3-162 |
| ✓NBU 922-31GT | Twin to the CIGE 220 | ✓NBU 921-20IT | Twin to CIGE 70 |
| NBU 922-32O1T | Twin to the NBU 404 | NBU 921-27MT | Twin to NBU 395 |
| NBU 922-32F3T | Twin to the CIGE 106D | NBU 921-27OT | Twin to NBU 305 |
| NBU 922-35IT | Twin to the CIGE 118 | ✓NBU 921-15MT | Twin to NBU 191 |
| NBU 922-36NT | Twin to the CIGE 147 | NBU 921-27HT | Twin to NBU 109 |
| ✓NBU 1022-1CT | Twin to the CIGE 105D | NBU 921-27KT | Twin to NBU 83J |
| NBU 921-27LT | Twin to NBU 214 | | |

RECEIVED

JUN 11 2008



| | |
|----------------|-----------------|
| NBU 1022-4N4T | Twin to NBU 148 |
| NBU 922-31L4T | Twin to NBU 41J |
| NBU 1022-4L1T | Twin to NBU 147 |
| NBU 1022-9F4T | Twin to NBU 150 |
| NBU 1022-4P1T | Twin to NBU 208 |
| NBU 1022-9D1T | Twin to NBU 151 |
| NBU 1022-3G3T | Twin to NBU 185 |
| NBU 1022-10A2T | Twin to NBU 117 |
| NBU 921-11B3T | Twin to NBU 195 |
| NBU 921-21E4T | Twin to NBU 127 |
| NBU 921-8A4T | Twin to NBU 202 |

The above lists of well locations are planned for the 2008-2009 drilling program. This list may vary depending on the program. Please do not hesitate to call me if you have any further questions or need additional information.

Thank you,

A handwritten signature in cursive script that reads 'Raleen White'.

Raleen White
Sr. Regulatory Analyst

Cc: SITLA – Ed Bonner
BLM Vernal Office – Verlyn Pindell

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

June 18, 2008

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2008 Plan of Development Natural Buttes Unit
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2008 within the Natural Buttes Unit, Uintah County, Utah.

| API # | WELL NAME | LOCATION |
|-------|-----------|----------|
|-------|-----------|----------|

(Proposed PZ MesaVerde)

| | | |
|--------------|---------------|------------------------------------|
| 43-047-40146 | NBU 922-29LT | Sec 29 T09S R22E 1978 FSL 0957 FWL |
| 43-047-40147 | NBU 922-32AT | Sec 32 T09S R22E 0457 FNL 0113 FEL |
| 43-047-40148 | NBU 922-32BT | Sec 32 T09S R22E 0701 FNL 2116 FEL |
| 43-047-40149 | NBU 1022-03FT | Sec 03 T10S R22E 2059 FNL 1825 FWL |
| 43-047-40150 | NBU 1022-03CT | Sec 03 T10S R22E 0715 FNL 1777 FWL |
| 43-047-40151 | NBU 1022-04HT | Sec 04 T10S R22E 2015 FNL 0566 FEL |
| 43-047-40152 | NBU 1022-04AT | Sec 04 T10S R22E 0544 FNL 1278 FEL |
| 43-047-40153 | NBU 1022-05JT | Sec 05 T10S R22E 2203 FSL 2319 FEL |
| 43-047-40154 | NBU 1022-05IT | Sec 05 T10S R22E 2288 FSL 0691 FEL |
| 43-047-40155 | NBU 1022-05BT | Sec 05 T10S R22E 1028 FNL 1886 FEL |
| 43-047-40156 | NBU 1022-06ET | Sec 06 T10S R22E 2475 FNL 0628 FWL |
| 43-047-40157 | NBU 1022-06FT | Sec 06 T10S R22E 2108 FNL 1669 FWL |
| 43-047-40158 | NBU 1022-06DT | Sec 06 T10S R22E 0162 FNL 0311 FWL |

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

June 18, 2008

Kerr-McGee Oil & Gas Onshore LP
P O Box 173779
Denver, CO 80217-3779

Re: NBU 1022-05BT Well, 1028' FNL, 1886' FEL, NW NE, Sec. 5, T. 10 South, R. 22 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-40155.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal Office

Operator: Kerr-McGee Oil & Gas Onshore LP

Well Name & Number NBU 1022-05BT

API Number: 43-047-40155

Lease: UTU-01191-A

Location: NW NE **Sec.** 5 **T.** 10 South **R.** 22 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 office (801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

RECEIVED
VERNAL FIELD OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
DEPT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

5. Lease Serial No.
UTU-01191-A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and No.
UNIT #891008900A

8. Lease Name and Well No.
NBU 1022-05BT

9. API Well No.
43 047 40155

10. Field and Pool, or Exploratory
NATURAL BUTTES

11. Sec., T., R., M., or Blk. and Survey or Area
SEC 5-T10S-R22E

12. County or Parish
UINTAH

13. State
UT

1a. Type of Work: ☒ DRILL ☐ REENTER

b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone

2. Name of Operator
KERR-MCGEE OIL & GAS ONSHORE LP

3A. Address
PO BOX 173779, DENVER, CO 80123

3b. Phone No. (include area code)
(720) 929-6666

4. Location of Well (Report location clearly and in accordance with any State requirements. *)
At surface NWNE - 1028' FNL, 1886' FEL, LOT2
At proposed prod. Zone

14. Distance in miles and direction from nearest town or post office*
26 +/- MILES SOUTH EAST OF OURAY, UTAH

15. Distance from proposed*
location to nearest
property or lease line, ft.
(Also to nearest drig. unit line, if any)
1028'

16. No. of Acres in lease
1363.21

17. Spacing Unit dedicated to this well
40

18. Distance from proposed location*
to nearest well, drilling, completed,
applied for, on this lease, ft.
REFER TO
TOPO C

19. Proposed Depth
9300

20. BLM/BIA Bond No. on file
WYB-000291

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5152 GR

22. Approximate date work will start*
UPON APPROVAL

23. Estimated duration
TO BE DETERMINED

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office.
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized office.

25. Signature *Raleen White* Name (Printed/Typed) **RALEEN WHITE** Date **6/13/2008**

Title
SR. REGULATORY ANALYST

Approved by (Signature) *[Signature]* Name (Printed/Typed) *John Kervels* **NOV 19 2008**

Title **Assistant Field Manager** Office **VERNAL FIELD OFFICE**
Lands & Mineral Resources

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached **CONDITIONS OF APPROVAL ATTACHED**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

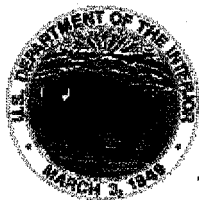
NOTICE OF APPROVAL

NOS *APD posted 06/25/08*

AFMSS# *08PP0923A*

UDOGM

RECEIVED
NOV 24 2008
DIV. OF OIL, GAS & MINING



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Kerr McGee Oil & Gas Onshore, LP
Well No: NBU 1022-05BT
API No: 43-047-40155

Location: Lot 2, Sec. 5, T10S, R22E
Lease No: UTU-01191-A
Agreement: Natural Buttes Unit

| Title | Name | Office Phone Number | Cell Phone Number |
|-----------------------------------|-----------------|---------------------|-------------------|
| Petroleum Engineer: | Matt Baker | (435) 781-4490 | (435) 828-4470 |
| Petroleum Engineer: | Michael Lee | (435) 781-4432 | (435) 828-7875 |
| Petroleum Engineer: | Ryan Angus | (435) 781-4430 | (435) 828-7368 |
| Supervisory Petroleum Technician: | Jamie Sparger | (435) 781-4502 | (435) 828-3913 |
| Supervisory NRS: | Karl Wright | (435) 781-4484 | |
| NRS/Enviro Scientist: | Holly Villa | (435) 781-4404 | (435) 828-3544 |
| NRS/Enviro Scientist: | James Hereford | (435) 781-3412 | (435) 828-3546 |
| NRS/Enviro Scientist: | Chuck Macdonald | (435) 781-4441 | (435) 828-7481 |
| NRS/Enviro Scientist: | Dan Emmett | (435) 781-3414 | (435) 828-4029 |
| NRS/Enviro Scientist: | Paul Percival | (435) 781-4493 | (435) 828-7381 |
| NRS/Enviro Scientist: | Anna Figueroa | (435) 781-3407 | (435) 828-3548 |
| NRS/Enviro Scientist: | Verlyn Pindell | (435) 781-3402 | (435) 828-3547 |
| NRS/Enviro Scientist: | Nathan Packer | (435) 781-3405 | (435) 828-3545 |
| NRS/Enviro Scientist: | David Gordon | (435) 781-4424 | |

Fax: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

| | | |
|---|---|--|
| Location Construction (Notify Environmental Scientist) | - | Forty-Eight (48) hours prior to construction of location and access roads. |
| Location Completion (Notify Environmental Scientist) | - | Prior to moving on the drilling rig. |
| Spud Notice (Notify Petroleum Engineer) | - | Twenty-Four (24) hours prior to spudding the well. |
| Casing String & Cementing (Notify Supv. Petroleum Tech.) | - | Twenty-Four (24) hours prior to running casing and cementing all casing strings. |
| BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.) | - | Twenty-Four (24) hours prior to initiating pressure tests. |
| First Production Notice (Notify Petroleum Engineer) | - | Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days. |

***SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)***

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

SITE SPECIFIC COAs:

None

DOWNHOLE PROGRAM CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

- A copy of Kerr McGee's Standard Operating Practices (dated 7/17/08 and approved 7/28/08) shall be on location.
- Kerr McGee and their contractors shall strictly adhere to all operating practices in the SOP along with all Oil and Gas rules and requirements listed in the Code of Federal Regulations and all Federal Onshore Oil and Gas Orders except where variances have been granted.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS***Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

| | | |
|--|--|---|
| 1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other | | 5. Lease Serial No. UTU01191A |
| 2. Name of Operator KERR-MCGEE OIL & GAS ONSHORE | | 6. If Indian, Allottee or Tribe Name |
| 3a. Address 1368 SOUTH 1200 EAST VERNAL, UT 84087 | | 7. If Unit or CA/Agreement, Name and/or No. UNIT #891008900A |
| 3b. Phone No. (include area code) Ph: 435-781-7024 | | 8. Well Name and No. NBU 1022-05BT |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 5 T10S R22E NWNE 1028FNL 1886FEL | | 9. API Well No. 43-047-40155 |
| | | 10. Field and Pool, or Exploratory NATURAL BUTTES |
| | | 11. County or Parish, and State UINTAH COUNTY, UT |

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
|---|---|---|--|---|
| <input type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input checked="" type="checkbox"/> Other |
| | <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | Well Spud |
| | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE.
CMT W/28 SX READY MIX.

SPUD WELL LOCATION ON 03/08/2009 AT 1200 HRS.

RECEIVED**MAR 11 2009**

DIV. OF OIL, GAS & MINING

| | |
|--|------------------|
| 14. I hereby certify that the foregoing is true and correct. Electronic Submission #67887 verified by the BLM Well Information System For KERR-MCGEE OIL & GAS ONSHORE L, sent to the Vernal | |
| Name (Printed/Typed) SHEILA UPCHEGO | Title OPERATIONS |
| Signature (Electronic Submission) | Date 03/09/2009 |

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

| | | |
|---|-------------|--------------|
| Approved By _____ | Title _____ | Date _____ |
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. | | Office _____ |

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

| | | |
|--|--|---|
| 1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other | | 5. Lease Serial No. UTU01191A |
| 2. Name of Operator KERR-MCGEE OIL & GAS ONSHORE | | 6. If Indian, Allottee or Tribe Name |
| 3a. Address 1368 SOUTH 1200 EAST VERNAL, UT 84087 | | 7. If Unit or CA/Agreement, Name and/or No. UNIT #891008900A |
| 3b. Phone No. (include area code) Ph: 435-781-7024 | | 8. Well Name and No. NBU 1022-05BT |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 5 T10S R22E NWNE 1028FNL 1886FEL | | 9. API Well No. 43-047-40155 |
| | | 10. Field and Pool, or Exploratory NATURAL BUTTES |
| | | 11. County or Parish, and State UINTAH COUNTY, UT |

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
|---|---|---|--|---|
| <input type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input checked="" type="checkbox"/> Other |
| | <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | Well Spud |
| | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE.
CMT W/28 SX READY MIX.

SPUD WELL LOCATION ON 03/08/2009 AT 1200 HRS.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #67887 verified by the BLM Well Information System
For KERR-MCGEE OIL & GAS ONSHORE L, sent to the Vernal

Name (Printed/Typed) SHEILA UPCHEGO

Title OPERATIONS

Signature

Electronic Submission

Date 03/09/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

RECEIVED

MAR 16 2009

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR MCGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995
Address: 1368 SOUTH 1200 EAST
city VERNAL
state UT zip 84078 Phone Number: (435) 781-7024

Well 1

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|--|-----------------------|-------------------|-----------|-----|-----|----------------------------------|--------|
| 4304740155 | NBU 1022-05BT | | NWNE | 5 | 10S | 22E | UINTAH |
| Action Code | Current Entity Number | New Entity Number | Spud Date | | | Entity Assignment Effective Date | |
| <u>B</u> | 99999 | <u>2900</u> | 3/8/2009 | | | <u>3/19/09</u> | |
| Comments: MIRU PETE MARTIN BUCKET RIG. <u>MVRD = WSMVD</u> SPUD WELL LOCATION ON 03/08/2009 AT 1200 HRS | | | | | | | |

Well 2

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|-------------|-----------------------|-------------------|-----------|-----|-----|----------------------------------|--------|
| | | | | | | | |
| Action Code | Current Entity Number | New Entity Number | Spud Date | | | Entity Assignment Effective Date | |
| | | | | | | | |
| Comments: | | | | | | | |

Well 3

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|-------------|-----------------------|-------------------|-----------|-----|-----|----------------------------------|--------|
| | | | | | | | |
| Action Code | Current Entity Number | New Entity Number | Spud Date | | | Entity Assignment Effective Date | |
| | | | | | | | |
| Comments: | | | | | | | |

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to new well
- E - Other (Explain in 'comments' section)

RECEIVED
MAR 11 2009

SHEILA UPCHEGO

Name (Please Print)

Signature

REGULATORY ANALYST

Title

8/9/2009

Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

| | | |
|--|---|---|
| 1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other | | 5. Lease Serial No. UTU01191A |
| 2. Name of Operator KERR-MCGEE OIL & GAS ONSHORE | | 6. If Indian, Allottee or Tribe Name |
| Contact: SHEILA UPCHEGO Email: sheila.upchego@anadarko.com | | 7. If Unit or CA/Agreement, Name and/or No. UNIT #891008900A |
| 3a. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078 | 3b. Phone No. (include area code) Ph: 435-781-7024 | 8. Well Name and No. NBU 1022-05BT |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 5 T10S R22E NWNE 1028FNL 1886FEL | | 9. API Well No. 43-047-40155 |
| | | 10. Field and Pool, or Exploratory NATURAL BUTTES |
| | | 11. County or Parish, and State UINTAH COUNTY, UT |

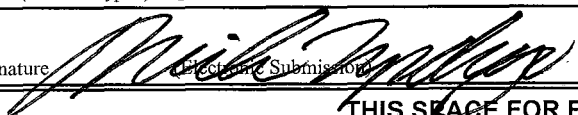
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
|---|---|---|--|--|
| <input type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input checked="" type="checkbox"/> Other Drilling Operations |
| | <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | |
| | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

MIRU PROPETRO AIR RIG ON 03/08/2009. DRILLED 12 1/4" SURFACE HOLE TO 2470'. RAN 9 5/8" 36# J-55 SURFACE CSG. CMT W/350 SX PREM CLASS G @15.8 PPG 1.15 YIELD. NO RETURNS THROUGH OUT JOB 160 PSI LIFT LAND PLUG FLOATS HELD. TOP OUT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE. 2ND TOP OUT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD DOWN BACKSIDE. 3RD TOP OUT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD DOWN BACKSIDE. 4TH TOP OUT W/75 SX PREM CLASS G @15.8 PPG 1.15 YIELD DOWN BACKSIDE GOOD CMT TO SURFACE HOLE STAYED FULL.

WORT.

| | | |
|--|------------------|------------|
| 14. I hereby certify that the foregoing is true and correct. Electronic Submission #68110 verified by the BLM Well Information System For KERR-MCGEE OIL & GAS ONSHORE L, sent to the Vernal | | |
| Name (Printed/Typed) SHEILA UPCHEGO | Title OPERATIONS | |
| Signature  | Date 03/17/2009 | |
| THIS SPACE FOR FEDERAL OR STATE OFFICE USE | | |
| Approved By _____ | Title _____ | Date _____ |
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. | | |
| Office _____ | | |
| Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. | | |

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

RECEIVED

MAR 23 2009

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

| | | |
|--|---|---|
| 1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other | | 5. Lease Serial No. UTU01191A |
| 2. Name of Operator KERR-MCGEE OIL & GAS ONSHORE | | 6. If Indian, Allottee or Tribe Name |
| Contact: SHEILA UPCHEGO Email: sheila.upchego@anadarko.com | | 7. If Unit or CA/Agreement, Name and/or No. UNIT #891008900A |
| 3a. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078 | 3b. Phone No. (include area code) Ph: 435-781-7024 | 8. Well Name and No. NBU 1022-05BT |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 5 T10S R22E NWNE 1028FNL 1886FEL | | 9. API Well No. 43-047-40155 |
| | | 10. Field and Pool, or Exploratory NATURAL BUTTES |
| | | 11. County or Parish, and State UINTAH COUNTY, UT |

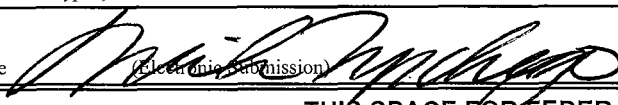
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
|---|---|---|--|---|
| <input type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input checked="" type="checkbox"/> Other Drilling Operations |
| | <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | |
| | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

FINISHED DRILLING FROM 2470' TO 9100' ON 03/25/2009. RAN 4 1/2" 11.6# I-80 PRODUCITN CSG. LEAD CMT W/400 SX PREM LITE II @11.2 PPG 3.13 YIELD. TAILED CMT W/1160 SX 50/50 POZ @14.3 PPG 1.31 YIELD. WASH LINES DROPPED PLUG & DISPLACE W/140.6 BBL WATER WITH CORROSION INHIBITOR CLAYTREAT & MAGNACIDE @8.3 PPG BUMP PLUG W/3134 PSI PLUG HELD 2600 PUMPING PSI W/534 OVER PSI 2.0 BBLS BLEED OFF 100% RETURNS W/NO CMT BACK TO SURFACE LAYDOWN HANG JT & INSTALL PACKING ASSEMBLY & TEST TO 5000 PSI NIPPLE DOWN BOP CHOKE FLARE LINES INSTALL NIGHT CAP CLEAN MUD PITS 800 PSI 11.6 MUD TRANSFERED TO NBU 1022-4H-3.

RELEASED PIONEER RIG 68 ON 03/27/2009 AT 1930 HRS.

| | | |
|--|------------------|------------|
| 14. I hereby certify that the foregoing is true and correct. Electronic Submission #68489 verified by the BLM Well Information System For KERR-MCGEE OIL & GAS ONSHORE L, sent to the Vernal | | |
| Name (Printed/Typed) SHEILA UPCHEGO | Title OPERATIONS | |
| Signature  (Electronic Submission) | Date 03/30/2009 | |
| THIS SPACE FOR FEDERAL OR STATE OFFICE USE | | |
| Approved By _____ | Title _____ | Date _____ |
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. | | |
| Office _____ | | |
| Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. | | |

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

| | | |
|--|--|---|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | | 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191-A |
| 1. TYPE OF WELL Gas Well | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| 2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. | | 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES |
| 3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 | | 8. WELL NAME and NUMBER: NBU 1022-05BT |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 1028 FNL 1886 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 05 Township: 10.0S Range: 22.0E Meridian: S | | 9. API NUMBER: 43047401550000 |
| PHONE NUMBER: 720 929-6587 Ext | | 9. FIELD and POOL or WILDCAT: NATURAL BUTTES |
| COUNTY: UINTAH | | STATE: UTAH |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA | | |
| TYPE OF SUBMISSION | TYPE OF ACTION | |
| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: | <input type="checkbox"/> ACIDIZE | |
| <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: | <input type="checkbox"/> ALTER CASING | |
| <input type="checkbox"/> SPUD REPORT Date of Spud: | <input type="checkbox"/> CASING REPAIR | |
| <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 5/17/2009 | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | |
| | <input type="checkbox"/> CHANGE TUBING | |
| | <input type="checkbox"/> CHANGE WELL STATUS | |
| | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | |
| | <input type="checkbox"/> DEEPEN | |
| | <input type="checkbox"/> FRACTURE TREAT | |
| | <input type="checkbox"/> OPERATOR CHANGE | |
| | <input type="checkbox"/> PLUG AND ABANDON | |
| | <input type="checkbox"/> PRODUCTION START OR RESUME | |
| | <input type="checkbox"/> RECLAMATION OF WELL SITE | |
| | <input type="checkbox"/> REPERFORATE CURRENT FORMATION | |
| | <input type="checkbox"/> SIDETRACK TO REPAIR WELL | |
| | <input type="checkbox"/> TUBING REPAIR | |
| | <input type="checkbox"/> VENT OR FLARE | |
| | <input type="checkbox"/> WATER SHUTOFF | |
| | <input type="checkbox"/> SI TA STATUS EXTENSION | |
| | <input type="checkbox"/> WILDCAT WELL DETERMINATION | |
| | <input type="checkbox"/> OTHER: _____ | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 05/17/2009 AT 9:00 AM. PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY. | | |
| Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY May 20, 2009 | | |
| NAME (PLEASE PRINT) Sheila Upchego | PHONE NUMBER 435 781-7024 | TITLE Regulatory Analyst |
| SIGNATURE N/A | DATE 5/20/2009 | |

ROCKIES

Operation Summary Report

| Well: NBU 1022-5BT | | | | Spud Date: 3/8/2009 | | | | |
|--|----------------|---------------|--|---------------------|-----------|-----|---------------------------------------|--|
| Project: UTAH | | | Site: UINTAH | | | | Rig Name No: PROPETRO/, PIONEER 68/68 | |
| Event: DRILLING | | | Start Date: 2/26/2009 | | | | End Date: 3/27/2009 | |
| Active Datum: RKB @5,170.00ft (above Mean Sea Level) | | | UWI: 0/10/S/22/E/5/0/NWNE/6/PM/N/1,028.00/E/0/1,886.00/0/0 | | | | | |
| Date | Time Start-End | Duration (hr) | Phase | Code | Subco de2 | P/U | MD From (ft) | Operation |
| 3/8/2009 | 12:00 - 15:00 | 3.00 | MIRU | 01 | A | P | | M.I.R.U. AIR DRILLING TOOLS |
| | 15:00 - 0:00 | 9.00 | DRLSUR | 02 | A | P | | SPUD 12 1/4 SURFACE HOLE / DRILL F/ 40' 0 T/ 630' W/ HAMMER / HIT WATER @ 630' |
| 3/9/2009 | 0:00 - 1:00 | 1.00 | DRLSUR | 04 | A | P | | CIRCULATE & CONDITION HOLE FOR TRIP |
| | 1:00 - 3:30 | 2.50 | DRLSUR | 05 | A | P | | TRIP FOR BHA + TRI-CONE BIT |
| | 3:30 - 11:00 | 7.50 | DRLSUR | 02 | A | P | | DRILL F/ 630' - T/ 990' W/ PUMPS + AIR |
| | 11:00 - 11:30 | 0.50 | DRLSUR | 04 | A | P | | CIRCULATE FOR SURVEY |
| | 11:30 - 12:30 | 1.00 | DRLSUR | 09 | A | P | | WIRELINE SURVEY @ 920' - 2 DEG |
| | 12:30 - 15:30 | 3.00 | DRLSUR | 02 | A | P | | DRILL F/ 990' - T/ 1020' W/ 6K-8K WOB TO REDUCE HOLE ANGLE - 10' PER/HR |
| | 15:30 - 16:30 | 1.00 | DRLSUR | 04 | C | P | | CIRCULATE & CONDITION HOLE FOR TRIP |
| | 16:30 - 17:30 | 1.00 | DRLSUR | 05 | A | P | | P.O.O.H. FOR BIT & BHA CHANGE |
| 3/10/2009 | 17:30 - 0:00 | 6.50 | DRLSUR | 12 | E | Z | | WAIT ON 8" COLLARS AND PDC |
| | 0:00 - | | DRLSUR | 12 | E | Z | | WAIT ON 8" COLLARS AND PDC |
| 3/11/2009 | 0:00 - 11:00 | 11.00 | DRLSUR | 12 | | P | | WAIT ON 8" COLLARS FROM MACHINE SHOP AND TRANSFER TO LOCATION |
| | 11:00 - 14:00 | 3.00 | DRLSUR | 05 | | P | | RIH WITH PDC AND MUD MOTOR |
| | 14:00 - 0:00 | 10.00 | DRLSUR | 02 | | P | | DRILL FROM 1020'-1290' RUN SURVEY@ 1170' 1 DEG. DA AT REPORT TIME |
| 3/12/2009 | 0:00 - 12:00 | 12.00 | DRLSUR | 02 | | P | | RIG DRILLING AHEAD CIRCULATING W/ SKID PUMP NO RETURNS 1580' |
| | 12:00 - 0:00 | 12.00 | DRLSUR | 02 | | P | | RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP NO RETURNS 1860' |
| 3/13/2009 | 0:00 - 12:00 | 12.00 | DRLSUR | 02 | | P | | RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 2010' NO RETURNS |
| | 12:00 - 0:00 | 12.00 | DRLSUR | 02 | | P | | RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 2160' NO RETURNS RUN SURVEY @ 2160' 1 DEG. |
| 3/14/2009 | 0:00 - 6:00 | 6.00 | DRLSUR | 02 | | P | | RIG T/D @ 2470' CONDITION HOLE 1 HR RUN SURVEY 1 DEG. |
| | 6:00 - 9:00 | 3.00 | DRLSUR | 05 | | P | | TRIP DP OUT OF HOLE |
| | 9:00 - 13:00 | 4.00 | DRLSUR | 11 | | P | | RUN 2434' OF 36# STC 9 5/8 CSG AND RIG DOWN AIR RIG |
| | 13:00 - 14:30 | 1.50 | DRLSUR | 15 | | P | | CEMENT 1ST STAGE WITH 350 SKS TAIL @ 15.8# 1.15 5.0 GAL/SK NO RETURNS THRU OUT JOB 160 PSI LIFT LAND PLUG FLOATS HELD |
| | 14:30 - 15:00 | 0.50 | DRLSUR | 15 | | P | | 1ST TOP JOB 100 SKS DOWN BS WOC |
| | 15:00 - 17:00 | 2.00 | DRLSUR | 15 | | P | | 2ND TOP JOB 100 SKS DOWN BS WOC |
| | 17:00 - 19:00 | 2.00 | DRLSUR | 15 | | P | | 3RD TOP JOB 100 SKS DOWN BS WOC |
| | 19:00 - 21:00 | 2.00 | DRLSUR | 15 | | P | | 4TH TOP JOB 75 SKS DOWN BS GOOD CMT TO SURFACE AND STAYED AT SURFACE |
| | 21:00 - 21:00 | 0.00 | DRLSUR | | | | | NO VISIBLE LEAKS PIT HAS 1 FOOT WATER IN IT WORT |
| 3/15/2009 | 0:00 - 7:00 | 7.00 | RDMO | 01 | E | P | | RDRT AND PREPARE TO MOVE. |
| | 7:00 - 19:00 | 12.00 | RDMO | 01 | E | P | | HELD DRIVERS MEETING WITH KERR TRUCKING, JC CRANE, MOUNTAIN WEST AND PIONEER CREW MEMBERS. |
| 3/16/2009 | | | | | | | | LOWER DERRICK AND SUB. CHANGE FLAT ON CARRIER. SLOW MOVE DUE TO TIGHT TURNS AND DIPS. REQUIRED ROAD REPAIR AND ASSIST UP HILLS WITH STUBBS MAINTAINER. 80% MOVES, 10% RIGGED UP. |
| | 0:00 - 7:00 | 7.00 | RDMO | 12 | D | P | | WAIT ON DAYLIGHT |

ROCKIES

Operation Summary Report

Well: NBU 1022-5BT

Spud Date: 3/8/2009

Project: UTAH

Site: UINTAH

Rig Name No: PROPETRO/, PIONEER 68/68

Event: DRILLING

Start Date: 2/26/2009

End Date: 3/27/2009

Active Datum: RKB @5,170.00ft (above Mean Sea Level)

UWI: 0/10/S/22/E/5/0/NWNE/6/PM/N/1,028.00/E/0/1,886.00/0/0

| Date | Time Start-End | Duration (hr) | Phase | Code | Subcode2 | P/U | MD From (ft) | Operation |
|-----------|----------------|---------------|--------|------|----------|-----|--------------|--|
| 3/17/2009 | 7:00 - 13:00 | 6.00 | RDMO | 01 | B | P | | CONTINUE MIRU WITH CRANE ASSIST. RAISE THE DERRICK TO HALF MAST @ 12:15, UNABLE TO GET SUBSTRUCTURE TO RAISE DUE TO HYDRAULIC PROBLEMS. |
| | 13:00 - 19:00 | 6.00 | RDMO | 07 | A | Z | | CALLED OUT A SECOND CRANE AND RAISED THE SUB WITH 2 CRANES. DERRICK WILL NOT SCOPE OUT. |
| | 19:00 - 0:00 | 5.00 | RDMO | 07 | A | Z | | RIG CALLED OUT HYDRALIC MECHANIC, WAIT ON DAYLIGHT. |
| | 0:00 - 8:00 | 8.00 | DRLPRO | 01 | B | P | | RURT |
| | 8:00 - 15:30 | 7.50 | DRLPRO | 07 | A | P | | REPAIR HYDRAULIC SYSTEM |
| 3/18/2009 | 15:30 - 0:00 | 8.50 | DRLPRO | 01 | B | P | | RAISE SUB & SCOPE DERRICK,RURT |
| | 0:00 - 2:00 | 2.00 | DRLPRO | 13 | A | P | | (HELD SAFETY MEETING) NIPPLE UP BOP |
| | 2:00 - 7:00 | 5.00 | DRLPRO | 13 | C | P | | (HELD SAFETY MEETING) TEST PIPE RAMS,BLIND RAMS,CHOKE & ALL FLOOR RELATED VALVES 250 PSI LOW -5000 PSI HIGH,TEST HYDRILL 250 PSI LOW - 2500 PSI HIGH,TEST CGS 1500 PSI & HOLD F/ 30 MINUTES. |
| | 7:00 - 12:30 | 5.50 | DRLPRO | 05 | A | P | | (HELD SAFETY MEETING) & RIG UP KIMZEY CSG SERVICE. PICK UP BHA & 13 JTS DP TO 1001'PICK UP & TOURQUE KELLY & TEST MWD EQUIPMENT,OK! PICK UP DP TO JT 56 @ 2329' & RIG DOWN KIMZEY |
| | 12:30 - 14:00 | 1.50 | DRLPRO | 06 | D | P | | SLIP & CUT DRLG LINE |
| 3/19/2009 | 14:00 - 15:00 | 1.00 | DRLPRO | 06 | A | P | | INSTALL ROTATING HEAD,BREAK CIRC & DO PRE SPUD RIG INSPECTION. |
| | 15:00 - 16:00 | 1.00 | DRLPRO | 02 | F | P | | DRILL FE & 36' PREDRILLED HOLE TO 2488'. ROTARY SPUD @ 1600, 3-18-2009. CMT TOP 2361', FLOAT 2410', SHOE 2452' |
| | 16:00 - 0:00 | 8.00 | DRLPRO | 02 | B | P | | DRILL & SURVEY 2488' - 2812',SLIDE 2812' - 2822' 10' TOTAL, DRILL 2822' - 2940', SLIDE 2940' - 2950' 10' TOTAL, DRILL 2950' - 3067' SLIDE 3067' - 3082' 15' TOTAL, 74.2 FPH, WOB 19, SPM 125, GPM 473, MOTOR RPM 76, PSI ON/OFF 1250/1050, P/U-S/O-ROT 95/80/90, DIFF PSI 200, DRLG W/ WATER & SWEEPS |
| | 0:00 - 10:30 | 10.50 | DRLPRO | 02 | B | P | | DRILL & SURVEY 3082' - 3373'. SLIDE 3373' - 3383' 10' TOTAL. DRILL 3383' - 3767'. SLIDE 3767' - 3782' 15' TOTAL. DRILL 3782' - 3857' =775' = 73.8 FPH, WOB 19, SPM 125, GPM 473, MOTOR RPM 76, ROT RPM 55, PSI ON/OFF 1457/1199, P/U-S/O-ROT 105/98/100, DIFF 225,SWEEPING HOLE |
| | 10:30 - 11:00 | 0.50 | DRLPRO | 06 | A | P | | RIG SERVICE,CHANGE OUT FLOW SENSOR PADDLE |
| 3/20/2009 | 11:00 - 0:00 | 13.00 | DRLPRO | 02 | B | | | DRILL & SURVEY 3857' - 5124'= 1264'= 97.4 FPH, WOB 19, SPM 125,GPM 473,MOTOR RPM 76,ROTARY RPM 55,PSI ON/OFF 1400/1200, P/U,S/O,ROT 125/115/120, DIFF 200, DRILLING W/ WATER & SWEEPING HOLE, 70 BBL FLUID LOSS @ 5156',SWEPT HOLE W/ 1/2 PALLET SAWDUST @ 110 SPM & REGAINED FULL RETURNS WHILE DRILLING AHEAD. |
| | 0:00 - 15:30 | 15.50 | DRLPRO | 02 | B | P | | DRILL & SURVEY 5124' - 6137' = 1013'=65.3 FPH,WOB 19-20,SPM 125, GPM 473, MOTOR RPM 76, PSI ON/OFF 1552/1365, P/U-S/O-ROT 155/136/143, DIFF 187, SYSTEM SHUT IN F/ MUD UP. |
| | 15:30 - 16:00 | 0.50 | DRLPRO | 06 | A | P | | RIG SERVICE |

ROCKIES

Operation Summary Report

Well: NBU 1022-5BT

Spud Date: 3/8/2009

Project: UTAH

Site: UINTAH

Rig Name No: PROPETRO/, PIONEER 68/68

Event: DRILLING

Start Date: 2/26/2009

End Date: 3/27/2009

Active Datum: RKB @5,170.00ft (above Mean Sea Level)

UWI: 0/10/S/22/E/5/0/NWNE/6/PM/N/1,028.00/E/0/1,886.00/0/0

| Date | Time Start-End | Duration (hr) | Phase | Code | Subcode2 | P/U | MD From (ft) | Operation |
|-----------|----------------|---------------|--------|------|----------|-----|--------------|--|
| 3/21/2009 | 16:00 - 0:00 | 8.00 | DRLPRO | 02 | B | P | | DRILL 6137' - 6453' =316' = 39.5' FPH, WOB 22-23, SPM 125, GPM 473, MOTOR 76 RPM, PSI ON/OFF 1500/1280, P/U-S/O-ROT 150/140/145, DIFF PSI 220, 31 VIS,9.2 MW. |
| | 0:00 - 3:00 | 3.00 | DRLPRO | 02 | B | P | | DRILL 6453-6518 = 65' = 21.6 FPH, WOB 23,SPM 125, GPM 473, MOTOR RPM 76,ROT RPM 55, PSI ON/OFF 1500/1370, P/U-S/O-ROT 150/140/145, DIFF 130, MW 9.2, VIS 32 |
| | 3:00 - 4:00 | 1.00 | DRLPRO | 04 | C | P | | CIRCULATE F/ BIT TRIP(HELD SAFETY MEETING) |
| | 4:00 - 8:00 | 4.00 | DRLPRO | 05 | A | P | | TOOH, SWITCH BITS TO HUGHES 506X,STRAIGHTEN MOTOR TO .O |
| | 8:00 - 11:30 | 3.50 | DRLPRO | 05 | A | P | | TIH W/ BIT # 2 |
| | 11:30 - 12:00 | 0.50 | DRLPRO | 03 | E | P | | WASH & REAM 44' TO BOTTOM,NO FILL. NO FLUID LOSS ON TRIP. |
| | 12:00 - 14:00 | 2.00 | DRLPRO | 02 | B | P | | DRILL 6518' - 6675' 157'TOTAL= 78.5' HR,WOB 18, SPM 125, GPM 473, MOTOR RPM 76, ROT RPM 55, PSI ON/OFF 1800/1639, P/U-S/O-ROT 110/95/105,DIFF 169, MW 9.2, VIS 32 |
| | 14:00 - 15:00 | 1.00 | DRLPRO | 06 | A | P | | RIG SERVICE |
| | 15:00 - 0:00 | 9.00 | DRLPRO | 02 | B | P | | DRILL 6675' - 7467' 792' TOTAL = 88' FPH,WOB 19, SPM 125, GPM 473, MOTOR RPM 76, ROT 55, PSI ON/OFF 2100/1750, PU/SO/ROT 165,145,155, DIFF 350, MW 9.9, VIS 33 |
| 3/22/2009 | 0:00 - 12:00 | 12.00 | DRLPRO | 02 | B | P | | DRILL 7467' - 8168' 701' TOTAL = 58.4 FPH, WOB 22, SPM 125, GPM 473, MOTOR RPM 76,ROTARY RPM 55, PSI ON/OFF 2021/1710, UP/DN/ROT 178/151/165, DIFF 235, MW 10.6, VIS 36 |
| | 12:00 - 12:30 | 0.50 | DRLPRO | 06 | A | P | | RIG SERVICE |
| | 12:30 - 18:30 | 6.00 | DRLPRO | 02 | B | P | | DRILL 8168' - 8404' 236' TOTAL = 39.3 FPH, WOB 24, SPM 125, GPM 473, MOTOR RPM 76, ROTARY RPM 55, PSI ON/OFF 1813/1480, PU/SO/ROT 173/160/169, DIFF 185, MW 11.0, VIS 36 |
| | 18:30 - 21:00 | 2.50 | DRLPRO | 04 | C | P | | CIRCULATE 11.0 MW/ 36 VIS. MIX BAR TO RAISE MW TO MAINTAIN GAS F/ BIT TRIP. 2700 UNITS GAS,10' FLARE, 11.0 IN / 10.6 OUT.RAISE MW 11.4 |
| | 21:00 - 0:00 | 3.00 | DRLPRO | 05 | A | P | | (HELD SAFETY MEETING)TOOH F/ BIT # 3 |
| 3/23/2009 | 0:00 - 3:00 | 3.00 | DRLPRO | 05 | A | P | | TOOH,LAYDOWN MONEL,HOS,IBS & SWITCH BITS |
| | 3:00 - 7:00 | 4.00 | DRLPRO | 05 | A | P | | TIH |
| | 7:00 - 8:00 | 1.00 | DRLPRO | 03 | E | P | | WASH & REAM TO BOTTOM 8' FILL |
| | 8:00 - 10:00 | 2.00 | DRLPRO | 02 | B | P | | DRILL 8404' - 8495' 91' TOTAL = 45.5 HR,WOB 19, SPM 125, GPM 473, MOTOR RPM 76, ROTARY RPM 55, PSI ON/OFF 1611/1450, PU/SO/RT 173/159/167, DIFF 135, MW 11.4, 37 VIS |
| | 10:00 - 10:30 | 0.50 | DRLPRO | 06 | A | P | | RIG SERVICE,SWITCH LIGHT PLANTS |
| | 10:30 - 17:00 | 6.50 | DRLPRO | 07 | B | S | | 2 WASHED PODS IN # 1 PUMP,WAIT ON WELDER,1 WASHED POD IN # 2 PUMP,CIRC W/ # 2 PUMP WHILE REPAIRING PODS IN # 1 PUMP W/ WELDER. |
| | 17:00 - 20:00 | 3.00 | DRLPRO | 02 | B | P | | DRILL 8495' - 8540' 45' TOTAL,15 FPH, WOB 24,SPM 125, GPM 473, MOTOR RPM 76,ROTARY RPM 55, PSI ON/OFF 2160/2010, PU/SO/ROT 180/169/163, DIFF150, MW 11.4, VIS 40 |
| 3/24/2009 | 20:00 - 21:30 | 1.50 | DRLPRO | 04 | C | S | | CIRCULATE F/ BIT TRIP |
| | 21:30 - 0:00 | 2.50 | DRLPRO | 05 | A | P | | TOOH |
| | 0:00 - 3:00 | 3.00 | DRLPRO | 05 | A | P | | TOOH,SWITCH BITS,MOTOR OK. |
| | 3:00 - 5:30 | 2.50 | DRLPRO | 05 | A | P | | TIH TO SHOE |

ROCKIES

Operation Summary Report

Well: NBU 1022-5BT

Spud Date: 3/8/2009

Project: UTAH

Site: UINTAH

Rig Name No: PROPETRO/, PIONEER 68/68

Event: DRILLING

Start Date: 2/26/2009

End Date: 3/27/2009

Active Datum: RKB @5,170.00ft (above Mean Sea Level)

UWI: 0/10/S/22/E/5/0/NWNE/6/PM/N/1,028.00/E/0/1,886.00/0/0

| Date | Time Start-End | Duration (hr) | Phase | Code | Subcode2 | P/U | MD From (ft) | Operation |
|-----------|----------------|---------------|--------|------|----------|-----|--------------|--|
| 3/25/2009 | 5:30 - 7:30 | 2.00 | DRLPRO | 06 | D | P | | SLIP & CUT DRLG LINE |
| | 7:30 - 12:00 | 4.50 | DRLPRO | 05 | A | P | | TIH, HOLE BRIDGED OFF @ 4486', KELLY UP & WORK TIGHT HOLE. TIH. LOSS 46 BBLs MUD ON TRIP |
| | 12:00 - 12:30 | 0.50 | DRLPRO | 03 | E | P | | WASH & REAM 16' TO BOTTOM,NO FILL |
| | 12:30 - 15:30 | 3.00 | DRLPRO | 02 | B | P | | DRILL 8540' - 8629' 89' TOTAL,29.6 FPH, WOB 19, SPM 125, MOTOR RPM 76, ROTARY RPM 55, PSI ON/OFF 2002/1880, PU/SO/ROT 169/155/166, DIFF185, MW 11.4, VIS 40. HOLE WAS TAKING FLUID BY PASS SHAKERS MIX LCM TO 1% RIG SERVICE |
| | 15:30 - 16:00 | 0.50 | DRLPRO | 06 | A | P | | WORK ON AIR COMPRESSORS |
| | 16:00 - 16:30 | 0.50 | DRLPRO | 07 | A | S | | |
| | 16:30 - 21:00 | 4.50 | DRLPRO | 02 | B | P | | DRILL 8629' - 8745' 116' TOTAL, 25.7' FPH, WOB 24,SPM 125, MOTOR RPM 76, ROTARY RPM 55, PSI ON/OFF 2383/1995, PU/SO/ROT 178/157/ 167, DIFF 285, MW 10.5, VIS 40. |
| | 21:00 - 22:30 | 1.50 | DRLPRO | 07 | B | S | | WORK ON MUD PUMP |
| | 22:30 - 0:00 | 1.50 | DRLPRO | 04 | C | P | | CIRCULATE & BUILD VOLUME,MIX & PUMP PILL. |
| | 0:00 - 6:30 | 6.50 | DRLPRO | 05 | A | P | | TOOH,WORK TIGHT SPOT @ 4461'.SWITCH BITS TO HUGHES Q506X,MOTOR OK! |
| | 6:30 - 11:30 | 5.00 | DRLPRO | 05 | A | P | | TIH, NO BRIDGE OFF AT TOP OF WASATCH. |
| | 11:30 - 12:00 | 0.50 | DRLPRO | 03 | E | P | | WASH & REAM 15' TO BOTTON,8' FILL. |
| | 12:00 - 15:30 | 3.50 | DRLPRO | 02 | B | P | | DRILL 8745' - 8882' 137' TOTAL, 39.1 FPH, WOB 19, SPM 120, GPM 473, MOTOR RPM, ROTARY RPM 55, PSI ON/OFF 1748/1698, PU/SO/ROT 190/152/174, DIFF 92, MW 11.5, VIS 41 |
| | 15:30 - 20:30 | 5.00 | DRLPRO | 06 | A | P | | DRILL 8882' - 9100' TD, 218' TOTAL, 43.6 FPH, WOB 18, SPM 120, 453 GPM, MOTOR RPM 72, ROTARY RPM 55, PSI ON/OFF 1890/1740, PU/SO/ROT 185/155/175, DIFF 156, MW 11.6,VIS 39 |
| | 20:30 - 22:00 | 1.50 | DRLPRO | 04 | C | P | | CIRCULATE,RAISE MD WT TO 11.7 F/ SHORT TRIP |
| | 22:00 - 23:00 | 1.00 | DRLPRO | 05 | E | P | | SHORT TRIP 10 STDS TO 8428' |
| | 23:00 - 0:00 | 1.00 | DRLPRO | 04 | C | P | | CIRCULATE TO LDDS |
| | 0:00 - 10:30 | 10.50 | DRLPRO | 05 | A | P | | (HELD SAFETY MEETING W/ KIMZEY)LDDS,BREAK DOWN KELLY,LD BHA, PULL WEAR BUSHING. RIG DOWN KIMZEY. |
| | 10:30 - 15:00 | 4.50 | DRLPRO | 08 | F | P | | (HELD SAFETY MEETING) RIG UP HALLIBURTON,RUN TRIPLE COMBO F/ 9104' TO SHOE & GR TO SURFACE |
| 3/26/2009 | 15:00 - 16:00 | 1.00 | DRLPRO | 11 | A | P | | (HELD SAFETY MEETING) RIG UP KIMZEY CASING CREW |
| | 16:00 - 22:00 | 6.00 | DRLPRO | 11 | B | P | | RUN 9090' 4.5,11.60, I-80 CASING,TAG @ 9104',PICK UP FLUTED MANDREL & PUPJT & LAND CSG |
| | 22:00 - 0:00 | 2.00 | DRLPRO | 04 | E | P | | HOOK UP CIRC SWEDGE & CIRCULATE OUT GAS W/ RIG PUMP. 6740 UNITS GAS,CIRC THRU CHOKE & BUSTER BECAUSE ROTATING HEAD LEAKING,15'-25' FLARE,11.8 MW IN, 11.4 OUT.BJ PUMP TRUCK MECHANICAL PROBLEMS. |
| | 0:00 - 1:00 | 1.00 | DRLPRO | 04 | E | P | | CIRCULATE WHILE BJ TROUBLE SHOOTs PUMP TRUCK PROBLEMS |
| | 1:00 - 1:30 | 0.50 | DRLPRO | 15 | A | P | | (HELD SAFETY MEETING) SWITCH LINES TO BJ & PUMP 20 BBLs OF MUD CLEAN & 20 BBLs SPACER & BJ PUMP TRUCK BROKE DOWN AGAIN. |
| | 1:30 - 5:30 | 4.00 | DRLPRO | 04 | E | S | | SWITCH LINE BACK TO RIG & CIRCULATE @ SLOWER PUMP RATE. WAIT ON NEW PUMP TRUCK,RIG UP NEW PUMP TRUCK |
| | | | | | | | | |

ROCKIES

Operation Summary Report

Well: NBU 1022-5BT

Spud Date: 3/8/2009

Project: UTAH

Site: UINTAH

Rig Name No: PROPETRO/, PIONEER 68/68

Event: DRILLING

Start Date: 2/26/2009

End Date: 3/27/2009

Active Datum: RKB @5,170.00ft (above Mean Sea Level)

UWI: 0/10/S/22/E/5/0/NWNE/6/PM/N/1,028.00/E/0/1,886.00/0/0

| Date | Time Start-End | Duration (hr) | Phase | Code | Subcode2 | P/U | MD From (ft) | Operation |
|------|----------------|---------------|--------|------|----------|-----|--------------|--|
| | 5:30 - 6:00 | 0.50 | DRLPRO | 15 | A | P | | (HELD SAFETY MEETING) SWITCH LINES TO BJ & PUMP 20 BBLS MUD CLEAN & 20 BBL SPACER & BJ PUMP TRUCK # 2 BROKE DOWN. |
| | 6:00 - 12:00 | 6.00 | DRLPRO | 04 | E | P | | SWITCH LINES BACK TO RIG & CIRCULATE W/ RIG PUMP @ SLOW PUMP RATE.WAITING ON MECHANIC & PARTS.WAIT ON LOAD OF WATER F/ UPRIGHTS |
| | 12:00 - 14:30 | 2.50 | DRLPRO | 15 | A | P | | (HELD SAFETY MEETING) SWITCH LINE S TO BJ & TEST LINES TO 4500 PSI (PUMP 20 BBLS MUD CLEAN) (PUMP 20 BBLS WATER SPACER @ 8.3 PPG) (PUMP 222 BBLS LEAD,400 SCKS PREMIUM LITE 11 @ 11.2 PPG,YIELD 3.13) (PUMP 271 BBLS TAIL 50:50 POZ MIX @ 14.3 PPG,YIELD 1.31) (WASH LINES,DROPE PLUG & DISPLACED W/ 140.6 BBLS WATER WITH CORROSION INHIBITER, CLAYTREAT & MAGNACIDE @ 8.3 PPG) (BUMP PLUG W/ 3134 PSI,PLUG HELD) (2600 PUMPING PSI W/ 534 OVER PSI) (2.0 BBLS BLEED OFF) (100% RETURNS W/ NO CEMENT BACK TO SURFACE) RIG DOWN BJ.LAYDOWN HANG JOINT & INSTALL PACKING ASSEMBLY & TEST TO 5000 PSI. |
| | 14:30 - 19:30 | 5.00 | DRLPRO | 13 | A | P | | NIPPLE DOWN BOP,CHOKE,FLARE LINES.INSTALL NIGHT CAP.CLEAN MUD PITS.800 BBLS 11.6 MUD TRANSFERED TO NBU 1022-4H-3. RELEASE RIG @ 19:30 03/27/2009 |

ROCKIES

Operation Summary Report

| Well: NBU 1022-5BT | | | | Spud Date: 3/8/2009 | | | | |
|--|----------------|---------------|--|---------------------|----------|---------------------------------|--------------|--|
| Project: UTAH | | | Site: UINTAH | | | Rig Name No: GWS 1/1, PROPETRO/ | | |
| Event: COMPLETION | | | Start Date: 4/9/2009 | | | | End Date: | |
| Active Datum: RKB @5,170.00ft (above Mean Sea Level) | | | UWI: 0/10/S/22/E/5/0/NWNE/6/PM/N/1,028.00/E/0/1,886.00/0/0 | | | | | |
| Date | Time Start-End | Duration (hr) | Phase | Code | Subcode2 | P/U | MD From (ft) | Operation |
| 5/11/2009 | 7:00 - 7:30 | 0.50 | COMP | 48 | | P | | HSM. SMALL LOCATIONS. ALWAYS USE SOMEONE T/ HELP GUIDE YOU AROUND LOC WHEN DRIVING. |
| | 7:30 - 17:00 | 9.50 | COMP | 31 | I | P | | ROAD RIG F/ NBU 1022-4H-2. MIRU RIG & SPOT EQUIP. OPEN WELL 0 PSI. ND WH, NU BOP. RU TBG EQUIP & RIG FLOOR. PREP & TALLY 300 JT'S OF 2 3/8, J-55 TBG. PU 3 7/8 BIT + BIT SUB. RIH W/ 290 JT'S 2 3/8 TBG & TAG @ 9033'. RU CIRC EQUIP. WASH DOWN T/ 9045'. CIRC WELL CLEAN W/ 126 BBLS FRW. X-OVER. POOH, LD 20 JT'S ON TBG TRAILER + SB 200 JT'S IN THE DERRICK. SWI. SDFN. |
| 5/12/2009 | 7:00 - 7:30 | 0.50 | COMP | 48 | | P | | HSM. STAY AWAY F/ FRAC CREW CRANE WHILE RU. |
| | 7:30 - 15:00 | 7.50 | COMP | 33 | D | P | | OPEN WELL 0 PSI. CONT POOH F/ 2100'. SB TOTAL OF 270 JTS IN THE DERRICK. LD BIT SUB & 3 7/8 BIT. ND BOP, NU FRAC VALVES. RIG PUMP T/ CSG VALVE. FILL CSG W/ 20 BBLS TFRW. MIRU B&C QUICK TEST. PSI TEST CSG & BOTH FRAC VALVES T/ 7500 PSI. GOOD TEST. RDMO B&C QUICK TEST. MIRU SCHL WL. 1 HR T/ PU LUBE & 10K WL BOP. STG 1)PU 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 120 DEG PHASING. RIH PERF F/ 9032'-33', 3 SPF, 3 HOLES. 9008'-09', 3 SPF, 3 HOLES. 8978'-81', 3 SPF, 9 HOLES. 8919'-20', 3 SPF, 3 HOLES. 8839'-40', 3 SPF, 3 HOLES. POOH, LD GUN'S. WAIT FOR SCHL FRAC CREW. WAIT T/ REPAIR IRON TRUCK. MIRU SCHLUMBERGER FRAC CREW. DUE T/ SMALL LOCATION SIZE. SCHLUMBERGER FRAC CREW WAS VERY SLOW RIGGING UP. RU FRAC CREW, PREP T/ FRAC IN THE :AM. |
| 5/13/2009 | 7:00 - 7:15 | 0.25 | COMP | 48 | | P | | DAY 4 - JSA & SM #4 NO H2S |
| | 7:15 - 7:30 | 0.25 | COMP | 48 | | P | | SCHLUMBER SAFETY MEETING. |
| | 7:30 - 8:35 | 1.08 | COMP | 36 | E | P | | STG #1) WHP 1244 PSI, BRK DWN PERFS 6 BPM @ 5376 PSI. INJ. TEST 11 BPM @ 3819 PSI. ISIP 2350 PSI. FG 0.69, NPI 180 PSI. PMPD 119 BBLS W/10/1000 SCALE INHIB. PMPD 150 BBLS 50 BPM @ 5500 PSI. 21/21 PERFS OPEN - 100%. MP 6570 PSI, MR 50.7 BPM, AP 4786 PSI, AR 44.7 BPM, ISIP 2530 PSI, FG = 0.71. PMPD 2150 BBLS SLK WTR, 72,777 LBS OTTOWA SND, 5184 LBS TLC SND, 77,961 TOTAL. |
| | 8:35 - 9:42 | 1.12 | COMP | 37 | B | P | | STG #2) RIH W/3 38" GNS, 23 GRM, 0.36 HOLES, 120 DEG PHSG. SET BAKER 8K CBP @ 8799'. PERF M.V. @ 8768' - 69', 3 SPF, 8692' - 95', 3 SPF, 8631' - 33', 3 SPF, 8602' - 03', 3 SPF, 21 HOLES. POOH W/TOOLS. |

ROCKIES

Operation Summary Report

Well: NBU 1022-5BT

Spud Date: 3/8/2009

Project: UTAH

Site: UINTAH

Rig Name No: GWS 1/1, PROPETRO/

Event: COMPLETION

Start Date: 4/9/2009

End Date:

Active Datum: RKB @5,170.00ft (above Mean Sea Level)

UWI: 0/10/S/22/E/5/0/NWNE/6/PM/N/1,028.00/E/0/1,886.00/0/0

| Date | Time Start-End | Duration (hr) | Phase | Code | Subcode2 | P/U | MD From (ft) | Operation |
|------|----------------|---------------|-------|------|----------|-----|--------------|---|
| | 9:42 - 10:25 | 0.72 | COMP | 36 | E | P | | STG #2) WHP 1560 PSI, BRK DWN PERFS 6.4 BPM @ 4200 PSI. INJ. TEST 10.6 BPM @ 3307 PSI. ISIP 2530 PSI. FG = 0.72. PMPD 160 BBLS 50.6 BPM @ 5700 PSI. 21/21 PERFS OPEN - 100%. MP 5902 PSI, MR 50.7 BPM, AP 4822 PSI, AR 45.1 BPM, ISIP 2640 PSI, FG 0.71, NPI 110 PSI. PMPD 1200 BBLS SLK WTR, 43,086 LBS OTTOWA SND, 6,461 LBS TLC SND, 49,547 LBS TOTAL. RAN RA TRACER. TAG 0.3# - 1.0 W/Sb-124, 7,800#, 1.2# - 1.5# W/Sc-46, 15,960#, 1.8# - 2.0# W/Ir-192, 25,787# |
| | 10:25 - 11:38 | 1.22 | COMP | 37 | B | P | | STG #3) RIH W/3 38" GNS, 23 GRM, 0.36 HOLES, 120 DEG PHSG. SET BAKER 8K CBP @ 8552'. PERF M.V. @ 8511' - 12', 3 SPF, 8471' - 73', 3 SPF, 8395' - 97', 3 SPF, 8357' - 59', 3 SPF, 21 HOLES. POOH W/TOOLS. |
| | 11:38 - 12:25 | 0.78 | COMP | 36 | E | P | | STG #3) WHP 1488 PSI, BRK DWN PERFS 6.4 BPM @ 6061 PSI. INJ. TEST 10.3 BPM @ 3240 PSI. ISIP 2420 PSI. FG = 0.72. PMPD 190 BBLS 50.7 BPM @ 5850 PSI. 21/21 PERFS OPEN - 100%. MP 6161 PSI, MR 50.7 BPM, AP 4861 PSI, AR 44 BPM, ISIP 2520 PSI, FG 0.73, NPI 100 PSI. PMPD 1443 BBLS SLK WTR, 54,737 LBS OTTOWA SND, 6,970 LBS TLC SND, 61,707 LBS TOTAL. |
| | 12:25 - 13:25 | 1.00 | COMP | 37 | B | P | | STG #4) RIH W/3 38" GNS, 23 GRM, 0.36 HOLES, 120 DEG PHSG. SET BAKER 8K CBP @ 8323'. PERF M.V. @ 8291' - 93', 3 SPF, 8272' - 74', 3 SPF, 8180' - 81', 3 SPF, 8149' - 51', 3 SPF, 21 HOLES. POOH W/TOOLS. |
| | 13:25 - 13:55 | 0.50 | COMP | 36 | E | P | | STG #4) WHP 1260 PSI, BRK DWN PERFS 6.3 BPM @ 3474 PSI. INJ. TEST 10.6 BPM @ 2795 PSI. ISIP 1960 PSI. FG = 0.67. PMPD 135 BBLS 50.7 BPM @ 5540 PSI. 21/21 PERFS OPEN - 100%. MP 5559 PSI, MR 50.7 BPM, AP 4576 PSI, AR 44 BPM, ISIP 1990 PSI, FG = 0.67, NPI 30 PSI. PMPD 955 BBLS SLK WTR, 33,200 LBS OTTOWA SND, 5,134 LBS TLC SND, 38,334 LBS TOTAL. |
| | 13:55 - 14:55 | 1.00 | COMP | 37 | B | P | | STG #5) RIH W/3 38" GNS, 23 GRM, 0.36 HOLES, 120 DEG PHSG. SET BAKER 8K CBP @ 8115'. PERF M.V. @ 8090' - 91', 3 SPF, 8058' - 60', 3 SPF, 8008' - 10', 3 SPF, 7883' - 85', 3 SPF, 21 HOLES. POOH W/TOOLS. |
| | 14:55 - 15:34 | 0.65 | COMP | 36 | E | P | | STG #5) WHP 1161 PSI, BRK DWN PERFS 6.4 BPM @ 3442 PSI. INJ. TEST 10.6 BPM @ 2335 PSI. ISIP 2038 PSI. FG = 0.69. PMPD 135 BBLS 50.7 BPM @ 4800 PSI. 21/21 PERFS OPEN - 100%. MP 4991 PSI, MR 50.7 BPM, AP 4121 PSI, AR 43.2 BPM, ISIP 2030 PSI, FG 0.68, NPI (-8 PSI). PMPD 856 BBLS SLK WTR, 28,700 LBS OTTOWA SND, 4,909 LBS TLC SND, 33,609 LBS TOTAL. RAN RA TRACER. TAG 0.25# - 1.0# W/Sb-124, 5,480#, 1.25# - 1.5# W/Sc-46, 11,300#, 1.75# - 2.0# W/Ir-192, 16,829#. |
| | 15:34 - 16:15 | 0.68 | COMP | 37 | B | P | | STG #6) RIH W/3 38" GNS, 23 GRM, 0.36 HOLES, 90 DEG PHSG. SET BAKER 8K CBP @ 7829'. PERF M.V. @ 7661' - 63', 4 SPF, 8 HOLES. POOH W/TOOLS. |

ROCKIES

Operation Summary Report

Well: NBU 1022-5BT

Spud Date: 3/8/2009

Project: UTAH

Site: UINTAH

Rig Name No: GWS 1/1, PROPETRO/

Event: COMPLETION

Start Date: 4/9/2009

End Date:

Active Datum: RKB @5,170.00ft (above Mean Sea Level)

UWI: 0/10/S/22/E/5/0/NWNE/6/PM/N/1,028.00/E/0/1,886.00/0/0

| Date | Time Start-End | Duration (hr) | Phase | Code | Subcode2 | P/U | MD From (ft) | Operation |
|-----------|----------------|---------------|-------|------|----------|-----|--------------|--|
| | 16:15 - 16:50 | 0.58 | COMP | 36 | E | P | | MIRU HALCO SURFACE PRESSURE GUAGES FOR DIFIT. |
| | 16:56 - 16:50 | | COMP | | | | | STG #6) WHP 1404 PSI, BRK DWN PERFS 5.3 BPM @ 5228 PSI. FINAL INJ. 5.3 BPM @ 2442 PSI. 24 BBLS PMPD. ISIP = 2065 PSI. FG 0.70. MONITOR PRESSURE W/HALCO PRESSURE GUAGES OVERNIGHT. |
| 5/14/2009 | 6:45 - 7:00 | 0.25 | COMP | 48 | | P | | 17:00 - SWI - SDFN. |
| | 7:00 - 7:10 | 0.17 | COMP | 33 | D | P | | DAY 5 - JSA & SM #5 NO H2S |
| | 7:10 - 7:50 | 0.67 | COMP | 37 | B | P | | WHP = 0000 PSI. RIG DWN HALCO SURFACE GUAGES. |
| | 7:50 - 8:14 | 0.40 | COMP | 36 | E | P | | STG #5) RIH W/3 38" GNS, 23 GRM, 0.36 HOLES, 120 DEG PHSG. PERF M.V. @ 7797' - 99', 3 SPF, 7760' - 62', 3 SPF, 7689' - 90', 3 SPF, 15 HOLES. POOH W/TOOLS. (23 TOTAL HOLES IN ZONE) |
| | 8:14 - 9:10 | 0.93 | COMP | 37 | B | P | | STG #6) WHP 1215 PSI, BRK DWN PERFS 9.2 BPM @ 2744 PSI, FG = 0.72. PMPD 90 BBLS 49.9 BPM @ 5757 PSI. 23/23 PERFS OPEN - 100%. |
| | 9:10 - 9:39 | 0.48 | COMP | 36 | E | P | | MP 5984 PSI, MR 50.8 BPM, AP 4420 PSI, AR 41.4 BPM, ISIP 2315 PSI, FG 0.73, NPI 215 PSI. PMPD 632 BBLS SLK WTR, 18,875 LBS OTTOWA SND, 4,053 LBS TLC SND, 22,928 LBS TOTAL. |
| | 9:39 - 10:30 | 0.85 | COMP | 37 | B | P | | STG #7) RIH W/3 38" GNS, 23 GRM, 0.36 HOLES, 120 DEG PHSG. SET BAKER 8K CBP @ 7605'. PERF M.V. @ 7573' - 75', 3 SPF, 7540' - 41', 3 SPF, 7456' - 58', 3 SPF, 7408' - 10', 3 SPF, 21 HOLES. POOH W/TOOLS. |
| | 10:30 - 11:15 | 0.75 | COMP | 36 | E | P | | STG #7) WHP 988 PSI, BRK DWN PERFS 6.4 BPM @ 3841 PSI, FG = 0.67. PMPD 120 BBLS 50.7 BPM @ 5750 PSI. 21/21 PERFS OPEN - 100%. |
| | 11:15 - 12:08 | 0.88 | COMP | 37 | B | P | | MP 6000 PSI, MR 50.7 BPM, AP 4510 PSI, AR 43.8 BPM, ISIP 1960 PSI, FG 0.69, NPI 150 PSI. PMPD 840 BBLS SLK WTR, 28,000 LBS OTTOWA SND, 4,504 LBS TLC SND, 32,504 LBS TOTAL. |
| | | | | | | | | STG #8) RIH W/3 38" GNS, 23 GRM, 0.36 HOLES, 120 DEG PHSG. SET BAKER 8K CBP @ 7352'. PERF M.V. @ 7326' - 27', 3 SPF, 7286' - 87', 3 SPF, 7246' - 48', 3 SPF, 7200' - 02', 3 SPF, 7176' - 77', 21 HOLES. POOH W/TOOLS. |
| | | | | | | | | STG #8) WHP 864 PSI, BRK DWN PERFS 6.4 BPM @ 2765 PSI, FG = 0.63. PMPD 140 BBLS 50.6 BPM @ 4750 PSI. 21/21 PERFS OPEN - 100%. |
| | | | | | | | | MP 5094 PSI, MR 50.7 BPM, AP 4091 PSI, AR 45.5 BPM, ISIP 2020 PSI, FG 0.71, NPI 580 PSI. PMPD 1111 BBLS SLK WTR, 48,789 LBS OTTOWA SND, 5,000 LBS TLC SND, 53,789 LBS TOTAL. (INCREASED DESIGN BY 10,000# SND, & WENT TO 3 PPG). |
| | | | | | | | | STG #9) RIH W/3 38" GNS, 23 GRM, 0.36 HOLES, 120 DEG PHSG. SET BAKER 8K CBP @ 6902'. PERF WASATCH @ 6870' - 72', 3 SPF, 6765' - 68', 3 SPF, 6666' - 68', 3 SPF, 21 HOLES. POOH W/TOOLS. |

ROCKIES

Operation Summary Report

| Well: NBU 1022-5BT | | | | Spud Date: 3/8/2009 | | | | |
|--|----------------|---------------|--|---------------------|----------|-----|---------------------------------|--|
| Project: UTAH | | | Site: UINTAH | | | | Rig Name No: GWS 1/1, PROPETRO/ | |
| Event: COMPLETION | | | Start Date: 4/9/2009 | | | | End Date: | |
| Active Datum: RKB @5,170.00ft (above Mean Sea Level) | | | UWI: 0/10/S/22/E/5/0/NWNE/6/PM/N/1,028.00/E/0/1,886.00/0/0 | | | | | |
| Date | Time Start-End | Duration (hr) | Phase | Code | Subcode2 | P/U | MD From (ft) | Operation |
| | 12:08 - 12:38 | 0.50 | COMP | 36 | E | P | | STG #9) WHP 330 PSI, BRK DWN PERFS 6.4 BPM @ 2439 PSI, FG = 0.66. PMPD 110 BBLS 50.7 BPM @ 4877 PSI. 21/21PERFS OPEN - 100%. MP 4960 PSI, MR 50.7 BPM, AP 4071 PSI, AR 44.9 BPM, ISIP 2050 PSI, FG 0.73, NPI 460 PSI. PMPD 1060 BBLS SLK WTR, 38,735 LBS OTTOWA SND, 7,269 LBS TLC SND, 46,004 LBS TOTAL. |
| | 12:38 - 13:40 | 1.03 | COMP | 34 | I | P | | KILL PLUG) SET BAKER 8K CBP @ 6616'. POOH W/TOOLS. RD SCLUMBERGER WIRELINE & PMPG SERVICES. |
| | 13:40 - 17:00 | 3.33 | COMP | 31 | I | P | | RD FLOOR. ND FRAC VALVES, NU BOP. RU FLOOR & TBG EQUIP. PU 3 7/8" MILL, POBS & XN NIPPLE. RIH ON NEW 2 3/8" 4.7# J55 TBG. TAG @ 6596'. CBP @ 6616'. LD 2 JTS. EOT @ 6550'. |
| 5/15/2009 | 7:00 - 7:15 | 0.25 | COMP | 48 | | P | | 17:00 SWI - SDFN. DAY 6 - JSA & SM #6. NO H2S |

ROCKIES

Operation Summary Report

Well: NBU 1022-5BT

Spud Date: 3/8/2009

Project: UTAH

Site: UINTAH

Rig Name No: GWS 1/1, PROPETRO/

Event: COMPLETION

Start Date: 4/9/2009

End Date:

Active Datum: RKB @5,170.00ft (above Mean Sea Level)

UWI: 0/10/S/22/E/5/0/NWNE/6/PM/N/1,028.00/E/0/1,886.00/0/0

| Date | Time Start-End | Duration (hr) | Phase | Code | Subcode2 | P/U | MD From (ft) | Operation |
|-----------|----------------|---------------|-------|------|----------|-----|--------------|---|
| | 7:15 - 18:00 | 10.75 | COMP | 44 | C | P | | <p>WHP = 50 PSI. EOT @ 6550'. RIH TAG FILL @ 6596'. RU PWR SWVL & PMP. EST CIRC W/2% KCL WTR. PT BOP TO 3000 PSI. (GOOD TEST). C/O 20, SND.</p> <p>CBP #1) DRLG OUT BAKER 8K CBP @ 6616' IN 12 MIN. 600 PSI DIFF PRES. RIH TAG FILL @ 6872'. C/O 30' OF SND. FCP = 50 PSI.</p> <p>CBP #2) DRLG OUT BAKER 8K CBP @ 6902' IN 13 MIN. 400 PSI DIFF PRES. RIH TAG FILL @ 7327'. C/O 25' OF SND. FCP = 100 PSI.</p> <p>CBP #3) DRLG OUT BAKER 8K CBP @ 7352' IN 25 MIN. 800 PSI DIFF PRES. RIH TAG FILL @ 7585'. C/O 20 OF SND. FCP = 100 PSI.</p> <p>CBP #4) DRLG OUT BAKER 8K CBP @ 7605' IN 13 MIN. 600 PSI DIFF PRES. RIH TAG FILL @ 7808'. C/O 25' OF SND. FCP = 150 PSI.</p> <p>CBP #5) DRLG OUT BAKER 8K CBP @ 7833' IN 25 MIN. 500 PSI DIFF PRES. RIH TAG FILL @ 8095'. C/O 20' OF SND. FCP = 225 PSI.</p> <p>CBP #6) DRLG OUT BAKER 8K CBP @ 8115' IN 8 MIN. 400 PSI DIFF PRES. RIH TAG FILL @ 8303'. C/O 20' OF SND. FCP = 175 PSI.</p> <p>CBP #7) DRLG OUT BAKER 8K CBP @ 8323' IN 13 MIN. 700 PSI DIFF PRES. RIH TAG FILL @ 8522'. C/O 30' OF SND. FCP = 600 PSI.</p> <p>CBP #8) DRLG OUT BAKER 8K CBP @ 8552' IN 30 MIN. 700 PSI DIFF PRES. RIH TAG FILL @ 8769'. C/O 30' OF SND. FCP = 750 PSI.</p> <p>CBP #9) DRLG OUT BAKER 8K CBP @ 8799' IN 30 MIN. 1000 PSI DIFF PRES. RIH TAG @ 9045'. FCP = 650 PSI. BTM PERF @ 9033'. PBTD @ 9046'.</p> <p>RD PWR SWVL & PMP. RU TBG EQUIP. POOH & LD 16 JTS OF FLOAT (27 JTS TOTAL ON FLAOT). LAND TBG ON HANGER W/274 JTS NEW 2 3/8" 4.7# J55 TBG. EOT @ 8662.67'. POBS & XN NIPPLE @ 8564.47'. AVG 19 MIN/PLG. C/O 220' OF SND.</p> <p>R/D FLOOR & TBG EQUIP. FCP = 650 PSI. ND BOP, DROP BALL, NUWH. PMP OFF BIT @ 1250 PSI. WAIT 30 MIN FOR BIT TO FALL TO BTM. OPEN WELL TO F.B.T. ON 20 CHOKE. FTP = 50 PSI. SICP = 1925 PSI. TURN WELL TO F.B.C. LTR = 7495 BBLS.</p> <p>R/D SERVICE UNIT. 18:00 - SDFWE. 7 AM FLBK REPORT: CP 3000#, TP 2325#, 20/64" CK, 52 BWPH, TRACE SAND, MEDIUM GAS TTL BBLS RECOVERED: 3775 BBLS LEFT TO RECOVER: 6752</p> |
| 5/16/2009 | 7:00 - | | | 33 | A | | | |

ROCKIES

Operation Summary Report

| Well: NBU 1022-5BT | | | | Spud Date: 3/8/2009 | | | | | |
|--|----------------|---------------|--|---------------------|----------|-----|---------------------------------|--|--|
| Project: UTAH | | | Site: UINTAH | | | | Rig Name No: GWS 1/1, PROPETRO/ | | |
| Event: COMPLETION | | | Start Date: 4/9/2009 | | | | End Date: | | |
| Active Datum: RKB @5,170.00ft (above Mean Sea Level) | | | UWI: 0/10/S/22/E/5/0/NWNE/6/PM/N/1,028.00/E/0/1,886.00/0/0 | | | | | | |
| Date | Time Start-End | Duration (hr) | Phase | Code | Subcode2 | P/U | MD From (ft) | Operation | |
| 5/17/2009 | 7:00 - | | | 33 | A | | | 7 AM FLBK REPORT: CP 3300#, TP 2400#, 20/64" CK, 31 BWPH, TRACE SAND, MEDIUM GAS TTL BBLS RECOVERED: 4638 BBLS LEFT TO RECOVER: 5889 | |
| 5/18/2009 | 7:00 - | | | 33 | A | | | 7 AM FLBK REPORT: CP 3000#, TP 2250#, 20/64" CK, 28 BWPH, TRACE SAND, 2875 GAS TTL BBLS RECOVERED: 5338 BBLS LEFT TO RECOVER: 5189 | |
| 5/19/2009 | 7:00 - | | | 33 | A | | | 7 AM FLBK REPORT: CP 2850#, TP 2150#, 20/64" CK, 26 BWPH, TRACE SAND, 2780 GAS TTL BBLS RECOVERED: 5990 BBLS LEFT TO RECOVER: 4537 | |

| | | |
|--|--|---|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | | 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191-A |
| 1. TYPE OF WELL Gas Well | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| 2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. | | 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES |
| 3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 | | 8. WELL NAME and NUMBER: NBU 1022-05BT |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 1028 FNL 1886 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 05 Township: 10.0S Range: 22.0E Meridian: S | | 9. API NUMBER: 43047401550000 |
| PHONE NUMBER: 720 929-6587 Ext | | 9. FIELD and POOL or WILDCAT: NATURAL BUTTES |
| COUNTY: UINTAH | | STATE: UTAH |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA | | |
| TYPE OF SUBMISSION | TYPE OF ACTION | |
| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: | <input type="checkbox"/> ACIDIZE | |
| <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: | <input type="checkbox"/> ALTER CASING | |
| <input type="checkbox"/> SPUD REPORT Date of Spud: | <input type="checkbox"/> CASING REPAIR | |
| <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 5/17/2009 | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | |
| | <input type="checkbox"/> CHANGE TUBING | |
| | <input type="checkbox"/> CHANGE WELL STATUS | |
| | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | |
| | <input type="checkbox"/> DEEPEN | |
| | <input type="checkbox"/> FRACTURE TREAT | |
| | <input type="checkbox"/> OPERATOR CHANGE | |
| | <input type="checkbox"/> PLUG AND ABANDON | |
| | <input type="checkbox"/> PRODUCTION START OR RESUME | |
| | <input type="checkbox"/> RECLAMATION OF WELL SITE | |
| | <input type="checkbox"/> REPERFORATE CURRENT FORMATION | |
| | <input type="checkbox"/> SIDETRACK TO REPAIR WELL | |
| | <input type="checkbox"/> TUBING REPAIR | |
| | <input type="checkbox"/> VENT OR FLARE | |
| | <input type="checkbox"/> WATER SHUTOFF | |
| | <input type="checkbox"/> SI TA STATUS EXTENSION | |
| | <input type="checkbox"/> WILDCAT WELL DETERMINATION | |
| | <input type="checkbox"/> OTHER: | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. | | |
| THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 05/17/2009 AT 9:00 AM. PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY. | | |
| Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY May 20, 2009 | | |
| NAME (PLEASE PRINT) Sheila Upchego | PHONE NUMBER 435 781-7024 | TITLE Regulatory Analyst |
| SIGNATURE N/A | DATE 5/20/2009 | |

ROCKIES

Operation Summary Report

| Well: NBU 1022-5BT | | | | Spud Date: 3/8/2009 | | | | |
|--|----------------|---------------|--|---------------------|-----------|---------------------------------------|---------------------|--|
| Project: UTAH | | | Site: UINTAH | | | Rig Name No: PROPETRO/, PIONEER 68/68 | | |
| Event: DRILLING | | | Start Date: 2/26/2009 | | | | End Date: 3/27/2009 | |
| Active Datum: RKB @5,170.00ft (above Mean Sea Level) | | | UWI: 0/10/S/22/E/5/0/NWNE/6/PM/N/1,028.00/E/0/1,886.00/0/0 | | | | | |
| Date | Time Start-End | Duration (hr) | Phase | Code | Subco de2 | P/U | MD From (ft) | Operation |
| 3/8/2009 | 12:00 - 15:00 | 3.00 | MIRU | 01 | A | P | | M.I.R.U. AIR DRILLING TOOLS |
| | 15:00 - 0:00 | 9.00 | DRLSUR | 02 | A | P | | SPUD 12 1/4 SURFACE HOLE / DRILL F/ 40' 0 T/ 630' W/ HAMMER / HIT WATER @ 630' |
| 3/9/2009 | 0:00 - 1:00 | 1.00 | DRLSUR | 04 | A | P | | CIRCULATE & CONDITION HOLE FOR TRIP |
| | 1:00 - 3:30 | 2.50 | DRLSUR | 05 | A | P | | TRIP FOR BHA + TRI-CONE BIT |
| | 3:30 - 11:00 | 7.50 | DRLSUR | 02 | A | P | | DRILL F/ 630' - T/ 990' W/ PUMPS + AIR |
| | 11:00 - 11:30 | 0.50 | DRLSUR | 04 | A | P | | CIRCULATE FOR SURVEY |
| | 11:30 - 12:30 | 1.00 | DRLSUR | 09 | A | P | | WIRELINE SURVEY @ 920' - 2 DEG |
| | 12:30 - 15:30 | 3.00 | DRLSUR | 02 | A | P | | DRILL F/ 990' - T/ 1020' W/ 6K-8K WOB TO REDUCE HOLE ANGLE - 10' PER/HR |
| | 15:30 - 16:30 | 1.00 | DRLSUR | 04 | C | P | | CIRCULATE & CONDITION HOLE FOR TRIP |
| | 16:30 - 17:30 | 1.00 | DRLSUR | 05 | A | P | | P.O.O.H. FOR BIT & BHA CHANGE |
| 3/10/2009 | 17:30 - 0:00 | 6.50 | DRLSUR | 12 | E | Z | | WAIT ON 8" COLLARS AND PDC |
| | 0:00 - | | DRLSUR | 12 | E | Z | | WAIT ON 8" COLLARS AND PDC |
| 3/11/2009 | 0:00 - 11:00 | 11.00 | DRLSUR | 12 | | P | | WAIT ON 8" COLLARS FROM MACHINE SHOP AND TRANSFER TO LOCATION |
| | 11:00 - 14:00 | 3.00 | DRLSUR | 05 | | P | | RIH WITH PDC AND MUD MOTOR |
| | 14:00 - 0:00 | 10.00 | DRLSUR | 02 | | P | | DRILL FROM 1020'-1290' RUN SURVEY@ 1170' 1 DEG. DA AT REPORT TIME |
| 3/12/2009 | 0:00 - 12:00 | 12.00 | DRLSUR | 02 | | P | | RIG DRILLING AHEAD CIRCULATING W/ SKID PUMP NO RETURNS 1580' |
| | 12:00 - 0:00 | 12.00 | DRLSUR | 02 | | P | | RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP NO RETURNS 1860' |
| 3/13/2009 | 0:00 - 12:00 | 12.00 | DRLSUR | 02 | | P | | RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 2010' NO RETURNS |
| | 12:00 - 0:00 | 12.00 | DRLSUR | 02 | | P | | RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 2160' NO RETURNS RUN SURVEY @ 2160' 1 DEG. |
| 3/14/2009 | 0:00 - 6:00 | 6.00 | DRLSUR | 02 | | P | | RIG T/D @ 2470' CONDITION HOLE 1 HR RUN SURVEY 1 DEG. |
| | 6:00 - 9:00 | 3.00 | DRLSUR | 05 | | P | | TRIP DP OUT OF HOLE |
| | 9:00 - 13:00 | 4.00 | DRLSUR | 11 | | P | | RUN 2434' OF 36# STC 9 5/8 CSG AND RIG DOWN AIR RIG |
| | 13:00 - 14:30 | 1.50 | DRLSUR | 15 | | P | | CEMENT 1ST STAGE WITH 350 SKS TAIL @ 15.8# 1.15 5.0 GAL/SK NO RETURNS THRU OUT JOB 160 PSI LIFT LAND PLUG FLOATS HELD |
| | 14:30 - 15:00 | 0.50 | DRLSUR | 15 | | P | | 1ST TOP JOB 100 SKS DOWN BS WOC |
| | 15:00 - 17:00 | 2.00 | DRLSUR | 15 | | P | | 2ND TOP JOB 100 SKS DOWN BS WOC |
| | 17:00 - 19:00 | 2.00 | DRLSUR | 15 | | P | | 3RD TOP JOB 100 SKS DOWN BS WOC |
| | 19:00 - 21:00 | 2.00 | DRLSUR | 15 | | P | | 4TH TOP JOB 75 SKS DOWN BS GOOD CMT TO SURFACE AND STAYED AT SURFACE |
| | 21:00 - 21:00 | 0.00 | DRLSUR | | | | | NO VISIBLE LEAKS PIT HAS 1 FOOT WATER IN IT WORT |
| 3/15/2009 | 0:00 - 7:00 | 7.00 | RDMO | 01 | E | P | | RDRT AND PREPARE TO MOVE. |
| | 7:00 - 19:00 | 12.00 | RDMO | 01 | E | P | | HELD DRIVERS MEETING WITH KERR TRUCKING, JC CRANE, MOUNTAIN WEST AND PIONEER CREW MEMBERS. |
| 3/16/2009 | | | | | | | | LOWER DERRICK AND SUB. CHANGE FLAT ON CARRIER. SLOW MOVE DUE TO TIGHT TURNS AND DIPS. REQUIRED ROAD REPAIR AND ASSIST UP HILLS WITH STUBBS MAINTAINER. |
| | 0:00 - 7:00 | 7.00 | RDMO | 12 | D | P | | 80% MOVES, 10% RIGGED UP. WAIT ON DAYLIGHT |

ROCKIES

Operation Summary Report

Well: NBU 1022-5BT

Spud Date: 3/8/2009

Project: UTAH

Site: UINTAH

Rig Name No: PROPETRO/, PIONEER 68/68

Event: DRILLING

Start Date: 2/26/2009

End Date: 3/27/2009

Active Datum: RKB @5,170.00ft (above Mean Sea Level)

UWI: 0/10/S/22/E/5/0/NWNE/6/PM/N/1,028.00/E/0/1,886.00/0/0

| Date | Time Start-End | Duration (hr) | Phase | Code | Subcode2 | P/U | MD From (ft) | Operation |
|-----------|----------------|---------------|--------|------|----------|-----|--------------|--|
| 3/17/2009 | 7:00 - 13:00 | 6.00 | RDMO | 01 | B | P | | CONTINUE MIRU WITH CRANE ASSIST. RAISE THE DERRICK TO HALF MAST @ 12:15, UNABLE TO GET SUBSTRUCTURE TO RAISE DUE TO HYDRAULIC PROBLEMS. |
| | 13:00 - 19:00 | 6.00 | RDMO | 07 | A | Z | | CALLED OUT A SECOND CRANE AND RAISED THE SUB WITH 2 CRANES. DERRICK WILL NOT SCOPE OUT. |
| | 19:00 - 0:00 | 5.00 | RDMO | 07 | A | Z | | RIG CALLED OUT HYDRALIC MECHANIC, WAIT ON DAYLIGHT. |
| | 0:00 - 8:00 | 8.00 | DRLPRO | 01 | B | P | | RURT |
| 3/18/2009 | 8:00 - 15:30 | 7.50 | DRLPRO | 07 | A | P | | REPAIR HYDRAULIC SYSTEM |
| | 15:30 - 0:00 | 8.50 | DRLPRO | 01 | B | P | | RAISE SUB & SCOPE DERRICK,RURT |
| | 0:00 - 2:00 | 2.00 | DRLPRO | 13 | A | P | | (HELD SAFETY MEETING) NIPPLE UP BOP |
| | 2:00 - 7:00 | 5.00 | DRLPRO | 13 | C | P | | (HELD SAFETY MEETING) TEST PIPE RAMS,BLIND RAMS,CHOKE & ALL FLOOR RELATED VALVES 250 PSI LOW -5000 PSI HIGH,TEST HYDRILL 250 PSI LOW - 2500 PSI HIGH,TEST CGS 1500 PSI & HOLD F/ 30 MINUTES. |
| | 7:00 - 12:30 | 5.50 | DRLPRO | 05 | A | P | | (HELD SAFETY MEETING) & RIG UP KIMZEY CSG SERVICE. PICK UP BHA & 13 JTS DP TO 1001'PICK UP & TOURQUE KELLY & TEST MWD EQUIPMENT,OK! PICK UP DP TO JT 56 @ 2329' & RIG DOWN KIMZEY |
| | 12:30 - 14:00 | 1.50 | DRLPRO | 06 | D | P | | SLIP & CUT DRLG LINE |
| | 14:00 - 15:00 | 1.00 | DRLPRO | 06 | A | P | | INSTALL ROTATING HEAD,BREAK CIRC & DO PRE SPUD RIG INSPECTION. |
| | 15:00 - 16:00 | 1.00 | DRLPRO | 02 | F | P | | DRILL FE & 36' PREDRILLED HOLE TO 2488'. ROTARY SPUD @ 1600, 3-18-2009. CMT TOP 2361', FLOAT 2410', SHOE 2452' |
| 3/19/2009 | 16:00 - 0:00 | 8.00 | DRLPRO | 02 | B | P | | DRILL & SURVEY 2488' - 2812',SLIDE 2812' - 2822' 10' TOTAL, DRILL 2822' - 2940', SLIDE 2940' - 2950' 10' TOTAL, DRILL 2950' - 3067' SLIDE 3067' - 3082' 15' TOTAL, 74.2 FPH, WOB 19, SPM 125, GPM 473, MOTOR RPM 76, PSI ON/OFF 1250/1050, P/U-S/O-ROT 95/80/90, DIFF PSI 200, DRLG W/ WATER & SWEEPS |
| | 0:00 - 10:30 | 10.50 | DRLPRO | 02 | B | P | | DRILL & SURVEY 3082' - 3373'. SLIDE 3373' - 3383' 10' TOTAL. DRILL 3383' - 3767'. SLIDE 3767' - 3782' 15' TOTAL. DRILL 3782' - 3857' =775' = 73.8 FPH, WOB 19, SPM 125, GPM 473, MOTOR RPM 76, ROT RPM 55, PSI ON/OFF 1457/1199, P/U-S/O-ROT 105/98/100, DIFF 225,SWEEPING HOLE |
| | 10:30 - 11:00 | 0.50 | DRLPRO | 06 | A | P | | RIG SERVICE,CHANGE OUT FLOW SENSOR PADDLE |
| | 11:00 - 0:00 | 13.00 | DRLPRO | 02 | B | | | DRILL & SURVEY 3857' - 5124'= 1264'= 97.4 FPH, WOB 19, SPM 125,GPM 473,MOTOR RPM 76,ROTARY RPM 55,PSI ON/OFF 1400/1200, P/U,S/O,ROT 125/115/120, DIFF 200, DRILLING W/ WATER & SWEEPING HOLE, 70 BBL FLUID LOSS @ 5156',SWEPT HOLE W/ 1/2 PALLET SAWDUST @ 110 SPM & REGAINED FULL RETURNS WHILE DRILLING AHEAD. |
| 3/20/2009 | 0:00 - 15:30 | 15.50 | DRLPRO | 02 | B | P | | DRILL & SURVEY 5124' - 6137' = 1013'=65.3 FPH,WOB 19-20,SPM 125, GPM 473, MOTOR RPM 76, PSI ON/OFF 1552/1365, P/U-S/O-ROT 155/136/143, DIFF 187, SYSTEM SHUT IN F/ MUD UP. |
| | 15:30 - 16:00 | 0.50 | DRLPRO | 06 | A | P | | RIG SERVICE |

ROCKIES

Operation Summary Report

Well: NBU 1022-5BT

Spud Date: 3/8/2009

Project: UTAH

Site: UINTAH

Rig Name No: PROPETRO/, PIONEER 68/68

Event: DRILLING

Start Date: 2/26/2009

End Date: 3/27/2009

Active Datum: RKB @5,170.00ft (above Mean Sea Level)

UWI: 0/10/S/22/E/5/0/NWNE/6/PM/N/1,028.00/E/0/1,886.00/0/0

| Date | Time Start-End | Duration (hr) | Phase | Code | Subcode2 | P/U | MD From (ft) | Operation |
|-----------|----------------|---------------|--------|------|----------|-----|--------------|--|
| 3/21/2009 | 16:00 - 0:00 | 8.00 | DRLPRO | 02 | B | P | | DRILL 6137' - 6453' =316' = 39.5' FPH, WOB 22-23, SPM 125, GPM 473, MOTOR 76 RPM, PSI ON/OFF 1500/1280, P/U-S/O-ROT 150/140/145, DIFF PSI 220, 31 VIS,9.2 MW. |
| | 0:00 - 3:00 | 3.00 | DRLPRO | 02 | B | P | | DRILL 6453-6518 = 65' = 21.6 FPH, WOB 23,SPM 125, GPM 473, MOTOR RPM 76,ROT RPM 55, PSI ON/OFF 1500/1370, P/U-S/O-ROT 150/140/145, DIFF 130, MW 9.2, VIS 32 |
| | 3:00 - 4:00 | 1.00 | DRLPRO | 04 | C | P | | CIRCULATE F/ BIT TRIP(HELD SAFETY MEETING) |
| | 4:00 - 8:00 | 4.00 | DRLPRO | 05 | A | P | | TOOH, SWITCH BITS TO HUGHES 506X,STRAIGHTEN MOTOR TO .O |
| | 8:00 - 11:30 | 3.50 | DRLPRO | 05 | A | P | | TIH W/ BIT # 2 |
| | 11:30 - 12:00 | 0.50 | DRLPRO | 03 | E | P | | WASH & REAM 44' TO BOTTOM,NO FILL. NO FLUID LOSS ON TRIP. |
| | 12:00 - 14:00 | 2.00 | DRLPRO | 02 | B | P | | DRILL 6518' - 6675' 157'TOTAL= 78.5' HR,WOB 18, SPM 125, GPM 473, MOTOR RPM 76, ROT RPM 55, PSI ON/OFF 1800/1639, P/U-S/O-ROT 110/95/105,DIFF 169, MW 9.2, VIS 32 |
| | 14:00 - 15:00 | 1.00 | DRLPRO | 06 | A | P | | RIG SERVICE |
| | 15:00 - 0:00 | 9.00 | DRLPRO | 02 | B | P | | DRILL 6675' - 7467' 792' TOTAL = 88' FPH,WOB 19, SPM 125, GPM 473, MOTOR RPM 76, ROT 55, PSI ON/OFF 2100/1750, PU/SO/ROT 165,145,155, DIFF 350, MW 9.9, VIS 33 |
| 3/22/2009 | 0:00 - 12:00 | 12.00 | DRLPRO | 02 | B | P | | DRILL 7467' - 8168' 701' TOTAL = 58.4 FPH, WOB 22, SPM 125, GPM 473, MOTOR RPM 76,ROTARY RPM 55, PSI ON/OFF 2021/1710, UP/DN/ROT 178/151/165, DIFF 235, MW 10.6, VIS 36 |
| | 12:00 - 12:30 | 0.50 | DRLPRO | 06 | A | P | | RIG SERVICE |
| | 12:30 - 18:30 | 6.00 | DRLPRO | 02 | B | P | | DRILL 8168' - 8404' 236' TOTAL = 39.3 FPH, WOB 24, SPM 125, GPM 473, MOTOR RPM 76, ROTARY RPM 55, PSI ON/OFF 1813/1480, PU/SO/ROT 173/160/169, DIFF 185, MW 11.0, VIS 36 |
| | 18:30 - 21:00 | 2.50 | DRLPRO | 04 | C | P | | CIRCULATE 11.0 MW/ 36 VIS. MIX BAR TO RAISE MW TO MAINTAIN GAS F/ BIT TRIP. 2700 UNITS GAS,10' FLARE, 11.0 IN / 10.6 OUT.RAISE MW 11.4 |
| | 21:00 - 0:00 | 3.00 | DRLPRO | 05 | A | P | | (HELD SAFETY MEETING)TOOH F/ BIT # 3 |
| 3/23/2009 | 0:00 - 3:00 | 3.00 | DRLPRO | 05 | A | P | | TOOH,LAYDOWN MONEL,HOS,IBS & SWITCH BITS |
| | 3:00 - 7:00 | 4.00 | DRLPRO | 05 | A | P | | TIH |
| | 7:00 - 8:00 | 1.00 | DRLPRO | 03 | E | P | | WASH & REAM TO BOTTOM 8' FILL |
| | 8:00 - 10:00 | 2.00 | DRLPRO | 02 | B | P | | DRILL 8404' - 8495' 91' TOTAL = 45.5 HR,WOB 19, SPM 125, GPM 473, MOTOR RPM 76, ROTARY RPM 55, PSI ON/OFF 1611/1450, PU/SO/RT 173/159/167, DIFF 135, MW 11.4, 37 VIS |
| | 10:00 - 10:30 | 0.50 | DRLPRO | 06 | A | P | | RIG SERVICE,SWITCH LIGHT PLANTS |
| | 10:30 - 17:00 | 6.50 | DRLPRO | 07 | B | S | | 2 WASHED PODS IN # 1 PUMP,WAIT ON WELDER,1 WASHED POD IN # 2 PUMP,CIRC W/ # 2 PUMP WHILE REPAIRING PODS IN # 1 PUMP W/ WELDER. |
| | 17:00 - 20:00 | 3.00 | DRLPRO | 02 | B | P | | DRILL 8495' - 8540' 45' TOTAL,15 FPH, WOB 24,SPM 125, GPM 473, MOTOR RPM 76,ROTARY RPM 55, PSI ON/OFF 2160/2010, PU/SO/ROT 180/169/163, DIFF150, MW 11.4, VIS 40 |
| 3/24/2009 | 20:00 - 21:30 | 1.50 | DRLPRO | 04 | C | S | | CIRCULATE F/ BIT TRIP |
| | 21:30 - 0:00 | 2.50 | DRLPRO | 05 | A | P | | TOOH |
| | 0:00 - 3:00 | 3.00 | DRLPRO | 05 | A | P | | TOOH,SWITCH BITS,MOTOR OK. |
| | 3:00 - 5:30 | 2.50 | DRLPRO | 05 | A | P | | TIH TO SHOE |
| | | | | | | | | |

ROCKIES

Operation Summary Report

Well: NBU 1022-5BT

Spud Date: 3/8/2009

Project: UTAH

Site: UINTAH

Rig Name No: PROPETRO/, PIONEER 68/68

Event: DRILLING

Start Date: 2/26/2009

End Date: 3/27/2009

Active Datum: RKB @5,170.00ft (above Mean Sea Level)

UWI: 0/10/S/22/E/5/0/NWNE/6/PM/N/1,028.00/E/0/1,886.00/0/0

| Date | Time Start-End | Duration (hr) | Phase | Code | Subcode2 | P/U | MD From (ft) | Operation |
|-----------|----------------|---------------|--------|------|----------|-----|--------------|--|
| 3/25/2009 | 5:30 - 7:30 | 2.00 | DRLPRO | 06 | D | P | | SLIP & CUT DRLG LINE |
| | 7:30 - 12:00 | 4.50 | DRLPRO | 05 | A | P | | TIH, HOLE BRIDGED OFF @ 4486', KELLY UP & WORK TIGHT HOLE. TIH. LOSS 46 BBLs MUD ON TRIP |
| | 12:00 - 12:30 | 0.50 | DRLPRO | 03 | E | P | | WASH & REAM 16' TO BOTTOM,NO FILL |
| | 12:30 - 15:30 | 3.00 | DRLPRO | 02 | B | P | | DRILL 8540' - 8629' 89' TOTAL,29.6 FPH, WOB 19, SPM 125, MOTOR RPM 76, ROTARY RPM 55, PSI ON/OFF 2002/1880, PU/SO/ROT 169/155/166, DIFF185, MW 11.4, VIS 40. HOLE WAS TAKING FLUID BY PASS SHAKERS MIX LCM TO 1% RIG SERVICE |
| | 15:30 - 16:00 | 0.50 | DRLPRO | 06 | A | P | | WORK ON AIR COMPRESSORS |
| | 16:00 - 16:30 | 0.50 | DRLPRO | 07 | A | S | | |
| | 16:30 - 21:00 | 4.50 | DRLPRO | 02 | B | P | | DRILL 8629' - 8745' 116' TOTAL, 25.7' FPH, WOB 24,SPM 125, MOTOR RPM 76, ROTARY RPM 55, PSI ON/OFF 2383/1995, PU/SO/ROT 178/157/ 167, DIFF 285, MW 10.5, VIS 40. |
| | 21:00 - 22:30 | 1.50 | DRLPRO | 07 | B | S | | WORK ON MUD PUMP |
| | 22:30 - 0:00 | 1.50 | DRLPRO | 04 | C | P | | CIRCULATE & BUILD VOLUME,MIX & PUMP PILL. |
| | 0:00 - 6:30 | 6.50 | DRLPRO | 05 | A | P | | TOOH,WORK TIGHT SPOT @ 4461'.SWITCH BITS TO HUGHES Q506X,MOTOR OK! |
| | 6:30 - 11:30 | 5.00 | DRLPRO | 05 | A | P | | TIH, NO BRIDGE OFF AT TOP OF WASATCH. |
| | 11:30 - 12:00 | 0.50 | DRLPRO | 03 | E | P | | WASH & REAM 15' TO BOTTON,8' FILL. |
| | 12:00 - 15:30 | 3.50 | DRLPRO | 02 | B | P | | DRILL 8745' - 8882' 137' TOTAL, 39.1 FPH, WOB 19, SPM 120, GPM 473, MOTOR RPM, ROTARY RPM 55, PSI ON/OFF 1748/1698, PU/SO/ROT 190/152/174, DIFF 92, MW 11.5, VIS 41 |
| | 15:30 - 20:30 | 5.00 | DRLPRO | 06 | A | P | | DRILL 8882' - 9100' TD, 218' TOTAL, 43.6 FPH, WOB 18, SPM 120, 453 GPM, MOTOR RPM 72, ROTARY RPM 55, PSI ON/OFF 1890/1740, PU/SO/ROT 185/155/175, DIFF 156, MW 11.6,VIS 39 |
| | 20:30 - 22:00 | 1.50 | DRLPRO | 04 | C | P | | CIRCULATE,RAISE MD WT TO 11.7 F/ SHORT TRIP |
| | 22:00 - 23:00 | 1.00 | DRLPRO | 05 | E | P | | SHORT TRIP 10 STDS TO 8428' |
| | 23:00 - 0:00 | 1.00 | DRLPRO | 04 | C | P | | CIRCULATE TO LDDS |
| | 0:00 - 10:30 | 10.50 | DRLPRO | 05 | A | P | | (HELD SAFETY MEETING W/ KIMZEY)LDDS,BREAK DOWN KELLY,LD BHA, PULL WEAR BUSHING. RIG DOWN KIMZEY. |
| | 10:30 - 15:00 | 4.50 | DRLPRO | 08 | F | P | | (HELD SAFETY MEETING) RIG UP HALLIBURTON,RUN TRIPLE COMBO F/ 9104' TO SHOE & GR TO SURFACE |
| 3/26/2009 | 15:00 - 16:00 | 1.00 | DRLPRO | 11 | A | P | | (HELD SAFETY MEETING) RIG UP KIMZEY CASING CREW |
| | 16:00 - 22:00 | 6.00 | DRLPRO | 11 | B | P | | RUN 9090' 4.5,11.60, I-80 CASING,TAG @ 9104',PICK UP FLUTED MANDREL & PUPJT & LAND CSG |
| | 22:00 - 0:00 | 2.00 | DRLPRO | 04 | E | P | | HOOK UP CIRC SWEDGE & CIRCULATE OUT GAS W/ RIG PUMP. 6740 UNITS GAS,CIRC THRU CHOKE & BUSTER BECAUSE ROTATING HEAD LEAKING,15'-25' FLARE,11.8 MW IN, 11.4 OUT.BJ PUMP TRUCK MECHANICAL PROBLEMS. |
| | 0:00 - 1:00 | 1.00 | DRLPRO | 04 | E | P | | CIRCULATE WHILE BJ TROUBLE SHOOTs PUMP TRUCK PROBLEMS |
| | 1:00 - 1:30 | 0.50 | DRLPRO | 15 | A | P | | (HELD SAFETY MEETING) SWITCH LINES TO BJ & PUMP 20 BBLs OF MUD CLEAN & 20 BBLs SPACER & BJ PUMP TRUCK BROKE DOWN AGAIN. |
| | 1:30 - 5:30 | 4.00 | DRLPRO | 04 | E | S | | SWITCH LINE BACK TO RIG & CIRCULATE @ SLOWER PUMP RATE. WAIT ON NEW PUMP TRUCK,RIG UP NEW PUMP TRUCK |
| | | | | | | | | |

ROCKIES

Operation Summary Report

Well: NBU 1022-5BT

Spud Date: 3/8/2009

Project: UTAH

Site: UINTAH

Rig Name No: PROPETRO/, PIONEER 68/68

Event: DRILLING

Start Date: 2/26/2009

End Date: 3/27/2009

Active Datum: RKB @5,170.00ft (above Mean Sea Level)

UWI: 0/10/S/22/E/5/0/NWNE/6/PM/N/1,028.00/E/0/1,886.00/0/0

| Date | Time Start-End | Duration (hr) | Phase | Code | Subcode2 | P/U | MD From (ft) | Operation |
|------|----------------|---------------|--------|------|----------|-----|--------------|--|
| | 5:30 - 6:00 | 0.50 | DRLPRO | 15 | A | P | | (HELD SAFETY MEETING) SWITCH LINES TO BJ & PUMP 20 BBLS MUD CLEAN & 20 BBL SPACER & BJ PUMP TRUCK # 2 BROKE DOWN. |
| | 6:00 - 12:00 | 6.00 | DRLPRO | 04 | E | P | | SWITCH LINES BACK TO RIG & CIRCULATE W/ RIG PUMP @ SLOW PUMP RATE.WAITING ON MECHANIC & PARTS.WAIT ON LOAD OF WATER F/ UPRIGHTS |
| | 12:00 - 14:30 | 2.50 | DRLPRO | 15 | A | P | | (HELD SAFETY MEETING) SWITCH LINE S TO BJ & TEST LINES TO 4500 PSI (PUMP 20 BBLS MUD CLEAN) (PUMP 20 BBLS WATER SPACER @ 8.3 PPG) (PUMP 222 BBLS LEAD,400 SCKS PREMIUM LITE 11 @ 11.2 PPG,YIELD 3.13) (PUMP 271 BBLS TAIL 50:50 POZ MIX @ 14.3 PPG,YIELD 1.31) (WASH LINES,DROPE PLUG & DISPLACED W/ 140.6 BBLS WATER WITH CORROSION INHIBITER, CLAYTREAT & MAGNACIDE @ 8.3 PPG) (BUMP PLUG W/ 3134 PSI,PLUG HELD) (2600 PUMPING PSI W/ 534 OVER PSI) (2.0 BBLS BLEED OFF) (100% RETURNS W/ NO CEMENT BACK TO SURFACE) RIG DOWN BJ.LAYDOWN HANG JOINT & INSTALL PACKING ASSEMBLY & TEST TO 5000 PSI. |
| | 14:30 - 19:30 | 5.00 | DRLPRO | 13 | A | P | | NIPPLE DOWN BOP,CHOKE,FLARE LINES.INSTALL NIGHT CAP.CLEAN MUD PITS.800 BBLS 11.6 MUD TRANSFERED TO NBU 1022-4H-3. RELEASE RIG @ 19:30 03/27/2009 |

ROCKIES

Operation Summary Report

| Well: NBU 1022-5BT | | | | Spud Date: 3/8/2009 | | | | | |
|--|----------------|---------------|--|---------------------|----------|-----|---------------------------------|--|--|
| Project: UTAH | | | Site: UINTAH | | | | Rig Name No: GWS 1/1, PROPETRO/ | | |
| Event: COMPLETION | | | Start Date: 4/9/2009 | | | | | End Date: | |
| Active Datum: RKB @5,170.00ft (above Mean Sea Level) | | | UWI: 0/10/S/22/E/5/0/NWNE/6/PM/N/1,028.00/E/0/1,886.00/0/0 | | | | | | |
| Date | Time Start-End | Duration (hr) | Phase | Code | Subcode2 | P/U | MD From (ft) | Operation | |
| 5/11/2009 | 7:00 - 7:30 | 0.50 | COMP | 48 | | P | | HSM. SMALL LOCATIONS. ALWAYS USE SOMEONE T/ HELP GUIDE YOU AROUND LOC WHEN DRIVING. | |
| | 7:30 - 17:00 | 9.50 | COMP | 31 | I | P | | ROAD RIG F/ NBU 1022-4H-2. MIRU RIG & SPOT EQUIP. OPEN WELL 0 PSI. ND WH, NU BOP. RU TBG EQUIP & RIG FLOOR. PREP & TALLY 300 JT'S OF 2 3/8, J-55 TBG. PU 3 7/8 BIT + BIT SUB. RIH W/ 290 JT'S 2 3/8 TBG & TAG @ 9033'. RU CIRC EQUIP. WASH DOWN T/ 9045'. CIRC WELL CLEAN W/ 126 BBLS FRW. X-OVER. POOH, LD 20 JT'S ON TBG TRAILER + SB 200 JT'S IN THE DERRICK. SWI. SDFN. | |
| 5/12/2009 | 7:00 - 7:30 | 0.50 | COMP | 48 | | P | | HSM. STAY AWAY F/ FRAC CREW CRANE WHILE RU. | |
| | 7:30 - 15:00 | 7.50 | COMP | 33 | D | P | | OPEN WELL 0 PSI. CONT POOH F/ 2100'. SB TOTAL OF 270 JTS IN THE DERRICK. LD BIT SUB & 3 7/8 BIT. ND BOP, NU FRAC VALVES. RIG PUMP T/ CSG VALVE. FILL CSG W/ 20 BBLS TFRW. MIRU B&C QUICK TEST. PSI TEST CSG & BOTH FRAC VALVES T/ 7500 PSI. GOOD TEST. RDMO B&C QUICK TEST. MIRU SCHL WL. 1 HR T/ PU LUBE & 10K WL BOP. STG 1)PU 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 120 DEG PHASING. RIH PERF F/ 9032'-33', 3 SPF, 3 HOLES. 9008'-09', 3 SPF, 3 HOLES. 8978'-81', 3 SPF, 9 HOLES. 8919'-20', 3 SPF, 3 HOLES. 8839'-40', 3 SPF, 3 HOLES. POOH, LD GUN'S. WAIT FOR SCHL FRAC CREW. WAIT T/ REPAIR IRON TRUCK. MIRU SCHLUMBERGER FRAC CREW. DUE T/ SMALL LOCATION SIZE. SCHLUMBERGER FRAC CREW WAS VERY SLOW RIGGING UP. RU FRAC CREW, PREP T/ FRAC IN THE :AM. | |
| 5/13/2009 | 7:00 - 7:15 | 0.25 | COMP | 48 | | P | | DAY 4 - JSA & SM #4 NO H2S | |
| | 7:15 - 7:30 | 0.25 | COMP | 48 | | P | | SCHLUMBER SAFETY MEETING. | |
| | 7:30 - 8:35 | 1.08 | COMP | 36 | E | P | | STG #1) WHP 1244 PSI, BRK DWN PERFS 6 BPM @ 5376 PSI. INJ. TEST 11 BPM @ 3819 PSI. ISIP 2350 PSI. FG 0.69, NPI 180 PSI. PMPD 119 BBLS W/10/1000 SCALE INHIB. PMPD 150 BBLS 50 BPM @ 5500 PSI. 21/21 PERFS OPEN - 100%. MP 6570 PSI, MR 50.7 BPM, AP 4786 PSI, AR 44.7 BPM, ISIP 2530 PSI, FG = 0.71. PMPD 2150 BBLS SLK WTR, 72,777 LBS OTTOWA SND, 5184 LBS TLC SND, 77,961 TOTAL. | |
| | 8:35 - 9:42 | 1.12 | COMP | 37 | B | P | | STG #2) RIH W/3 38" GNS, 23 GRM, 0.36 HOLES, 120 DEG PHSG. SET BAKER 8K CBP @ 8799'. PERF M.V. @ 8768' - 69', 3 SPF, 8692' - 95', 3 SPF, 8631' - 33', 3 SPF, 8602' - 03', 3 SPF, 21 HOLES. POOH W/TOOLS. | |

ROCKIES

Operation Summary Report

Well: NBU 1022-5BT

Spud Date: 3/8/2009

Project: UTAH

Site: UINTAH

Rig Name No: GWS 1/1, PROPETRO/

Event: COMPLETION

Start Date: 4/9/2009

End Date:

Active Datum: RKB @5,170.00ft (above Mean Sea Level)

UWI: 0/10/S/22/E/5/0/NWNE/6/PM/N/1,028.00/E/0/1,886.00/0/0

| Date | Time Start-End | Duration (hr) | Phase | Code | Subcode2 | P/U | MD From (ft) | Operation |
|------|----------------|---------------|-------|------|----------|-----|--------------|---|
| | 9:42 - 10:25 | 0.72 | COMP | 36 | E | P | | STG #2) WHP 1560 PSI, BRK DWN PERFS 6.4 BPM @ 4200 PSI. INJ. TEST 10.6 BPM @ 3307 PSI. ISIP 2530 PSI. FG = 0.72. PMPD 160 BBLS 50.6 BPM @ 5700 PSI. 21/21 PERFS OPEN - 100%. MP 5902 PSI, MR 50.7 BPM, AP 4822 PSI, AR 45.1 BPM, ISIP 2640 PSI, FG 0.71, NPI 110 PSI. PMPD 1200 BBLS SLK WTR, 43,086 LBS OTTOWA SND, 6,461 LBS TLC SND, 49,547 LBS TOTAL. RAN RA TRACER. TAG 0.3# - 1.0 W/Sb-124, 7,800#, 1.2# - 1.5# W/Sc-46, 15,960#, 1.8# - 2.0# W/Ir-192, 25,787# |
| | 10:25 - 11:38 | 1.22 | COMP | 37 | B | P | | STG #3) RIH W/3 38" GNS, 23 GRM, 0.36 HOLES, 120 DEG PHSG. SET BAKER 8K CBP @ 8552'. PERF M.V. @ 8511' - 12', 3 SPF, 8471' - 73', 3 SPF, 8395' - 97', 3 SPF, 8357' - 59', 3 SPF, 21 HOLES. POOH W/TOOLS. |
| | 11:38 - 12:25 | 0.78 | COMP | 36 | E | P | | STG #3) WHP 1488 PSI, BRK DWN PERFS 6.4 BPM @ 6061 PSI. INJ. TEST 10.3 BPM @ 3240 PSI. ISIP 2420 PSI. FG = 0.72. PMPD 190 BBLS 50.7 BPM @ 5850 PSI. 21/21 PERFS OPEN - 100%. MP 6161 PSI, MR 50.7 BPM, AP 4861 PSI, AR 44 BPM, ISIP 2520 PSI, FG 0.73, NPI 100 PSI. PMPD 1443 BBLS SLK WTR, 54,737 LBS OTTOWA SND, 6,970 LBS TLC SND, 61,707 LBS TOTAL. |
| | 12:25 - 13:25 | 1.00 | COMP | 37 | B | P | | STG #4) RIH W/3 38" GNS, 23 GRM, 0.36 HOLES, 120 DEG PHSG. SET BAKER 8K CBP @ 8323'. PERF M.V. @ 8291' - 93', 3 SPF, 8272' - 74', 3 SPF, 8180' - 81', 3 SPF, 8149' - 51', 3 SPF, 21 HOLES. POOH W/TOOLS. |
| | 13:25 - 13:55 | 0.50 | COMP | 36 | E | P | | STG #4) WHP 1260 PSI, BRK DWN PERFS 6.3 BPM @ 3474 PSI. INJ. TEST 10.6 BPM @ 2795 PSI. ISIP 1960 PSI. FG = 0.67. PMPD 135 BBLS 50.7 BPM @ 5540 PSI. 21/21 PERFS OPEN - 100%. MP 5559 PSI, MR 50.7 BPM, AP 4576 PSI, AR 44 BPM, ISIP 1990 PSI, FG = 0.67, NPI 30 PSI. PMPD 955 BBLS SLK WTR, 33,200 LBS OTTOWA SND, 5,134 LBS TLC SND, 38,334 LBS TOTAL. |
| | 13:55 - 14:55 | 1.00 | COMP | 37 | B | P | | STG #5) RIH W/3 38" GNS, 23 GRM, 0.36 HOLES, 120 DEG PHSG. SET BAKER 8K CBP @ 8115'. PERF M.V. @ 8090' - 91', 3 SPF, 8058' - 60', 3 SPF, 8008' - 10', 3 SPF, 7883' - 85', 3 SPF, 21 HOLES. POOH W/TOOLS. |
| | 14:55 - 15:34 | 0.65 | COMP | 36 | E | P | | STG #5) WHP 1161 PSI, BRK DWN PERFS 6.4 BPM @ 3442 PSI. INJ. TEST 10.6 BPM @ 2335 PSI. ISIP 2038 PSI. FG = 0.69. PMPD 135 BBLS 50.7 BPM @ 4800 PSI. 21/21 PERFS OPEN - 100%. MP 4991 PSI, MR 50.7 BPM, AP 4121 PSI, AR 43.2 BPM, ISIP 2030 PSI, FG 0.68, NPI (-8 PSI). PMPD 856 BBLS SLK WTR, 28,700 LBS OTTOWA SND, 4,909 LBS TLC SND, 33,609 LBS TOTAL. RAN RA TRACER. TAG 0.25# - 1.0# W/Sb-124, 5,480#, 1.25# - 1.5# W/Sc-46, 11,300#, 1.75# - 2.0# W/Ir-192, 16,829#. |
| | 15:34 - 16:15 | 0.68 | COMP | 37 | B | P | | STG #6) RIH W/3 38" GNS, 23 GRM, 0.36 HOLES, 90 DEG PHSG. SET BAKER 8K CBP @ 7829'. PERF M.V. @ 7661' - 63', 4 SPF, 8 HOLES. POOH W/TOOLS. |

ROCKIES

Operation Summary Report

Well: NBU 1022-5BT

Spud Date: 3/8/2009

Project: UTAH

Site: UINTAH

Rig Name No: GWS 1/1, PROPETRO/

Event: COMPLETION

Start Date: 4/9/2009

End Date:

Active Datum: RKB @5,170.00ft (above Mean Sea Level)

UWI: 0/10/S/22/E/5/0/NWNE/6/PM/N/1,028.00/E/0/1,886.00/0/0

| Date | Time Start-End | Duration (hr) | Phase | Code | Subcode2 | P/U | MD From (ft) | Operation |
|-----------|----------------|---------------|-------|------|----------|-----|--------------|---|
| | 16:15 - 16:50 | 0.58 | COMP | 36 | E | P | | MIRU HALCO SURFACE PRESSURE GUAGES FOR DIFIT. STG #6) WHP 1404 PSI, BRK DWN PERFS 5.3 BPM @ 5228 PSI. FINAL INJ. 5.3 BPM @ 2442 PSI. 24 BBLS PMPD. ISIP = 2065 PSI. FG 0.70. MONITOR PRESSURE W/HALCO PRESSURE GUAGES OVERNIGHT. |
| | 16:56 - 16:50 | | COMP | | | | | 17:00 - SWI - SDFN. |
| 5/14/2009 | 6:45 - 7:00 | 0.25 | COMP | 48 | | P | | DAY 5 - JSA & SM #5 NO H2S |
| | 7:00 - 7:10 | 0.17 | COMP | 33 | D | P | | WHP = 0000 PSI. RIG DWN HALCO SURFACE GUAGES. |
| | 7:10 - 7:50 | 0.67 | COMP | 37 | B | P | | STG #5) RIH W/3 38" GNS, 23 GRM, 0.36 HOLES, 120 DEG PHSG. PERF M.V. @ 7797' - 99', 3 SPF, 7760' - 62', 3 SPF, 7689' - 90', 3 SPF, 15 HOLES. POOH W/TOOLS. (23 TOTAL HOLES IN ZONE) |
| | 7:50 - 8:14 | 0.40 | COMP | 36 | E | P | | STG #6) WHP 1215 PSI, BRK DWN PERFS 9.2 BPM @ 2744 PSI, FG = 0.72. PMPD 90 BBLS 49.9 BPM @ 5757 PSI. 23/23 PERFS OPEN - 100%. MP 5984 PSI, MR 50.8 BPM, AP 4420 PSI, AR 41.4 BPM, ISIP 2315 PSI, FG 0.73, NPI 215 PSI. PMPD 632 BBLS SLK WTR, 18,875 LBS OTTOWA SND, 4,053 LBS TLC SND, 22,928 LBS TOTAL. |
| | 8:14 - 9:10 | 0.93 | COMP | 37 | B | P | | STG #7) RIH W/3 38" GNS, 23 GRM, 0.36 HOLES, 120 DEG PHSG. SET BAKER 8K CBP @ 7605'. PERF M.V. @ 7573' - 75', 3 SPF, 7540' - 41', 3 SPF, 7456' - 58', 3 SPF, 7408' - 10', 3 SPF, 21 HOLES. POOH W/TOOLS. |
| | 9:10 - 9:39 | 0.48 | COMP | 36 | E | P | | STG #7) WHP 988 PSI, BRK DWN PERFS 6.4 BPM @ 3841 PSI, FG = 0.67. PMPD 120 BBLS 50.7 BPM @ 5750 PSI. 21/21 PERFS OPEN - 100%. MP 6000 PSI, MR 50.7 BPM, AP 4510 PSI, AR 43.8 BPM, ISIP 1960 PSI, FG 0.69, NPI 150 PSI. PMPD 840 BBLS SLK WTR, 28,000 LBS OTTOWA SND, 4,504 LBS TLC SND, 32,504 LBS TOTAL. |
| | 9:39 - 10:30 | 0.85 | COMP | 37 | B | P | | STG #8) RIH W/3 38" GNS, 23 GRM, 0.36 HOLES, 120 DEG PHSG. SET BAKER 8K CBP @ 7352'. PERF M.V. @ 7326' - 27', 3 SPF, 7286' - 87', 3 SPF, 7246' - 48', 3 SPF, 7200' - 02', 3 SPF, 7176' - 77', 21 HOLES. POOH W/TOOLS. |
| | 10:30 - 11:15 | 0.75 | COMP | 36 | E | P | | STG #8) WHP 864 PSI, BRK DWN PERFS 6.4 BPM @ 2765 PSI, FG = 0.63. PMPD 140 BBLS 50.6 BPM @ 4750 PSI. 21/21 PERFS OPEN - 100%. MP 5094 PSI, MR 50.7 BPM, AP 4091 PSI, AR 45.5 BPM, ISIP 2020 PSI, FG 0.71, NPI 580 PSI. PMPD 1111 BBLS SLK WTR, 48,789 LBS OTTOWA SND, 5,000 LBS TLC SND, 53,789 LBS TOTAL. (INCREASED DESIGN BY 10,000# SND, & WENT TO 3 PPG). |
| | 11:15 - 12:08 | 0.88 | COMP | 37 | B | P | | STG #9) RIH W/3 38" GNS, 23 GRM, 0.36 HOLES, 120 DEG PHSG. SET BAKER 8K CBP @ 6902'. PERF WASATCH @ 6870' - 72', 3 SPF, 6765' - 68', 3 SPF, 6666' - 68', 3 SPF, 21 HOLES. POOH W/TOOLS. |

ROCKIES

Operation Summary Report

| Well: NBU 1022-5BT | | | | Spud Date: 3/8/2009 | | | | |
|--|-------------------|------------------|--|---------------------|--------------|-----|---------------------------------|--|
| Project: UTAH | | | Site: UINTAH | | | | Rig Name No: GWS 1/1, PROPETRO/ | |
| Event: COMPLETION | | | Start Date: 4/9/2009 | | | | End Date: | |
| Active Datum: RKB @5,170.00ft (above Mean Sea Level) | | | UWI: 0/10/S/22/E/5/0/NWNE/6/PM/N/1,028.00/E/0/1,886.00/0/0 | | | | | |
| Date | Time Start-End | Duration (hr) | Phase | Code | Subco de2 | P/U | MD From (ft) | Operation |
| | 12:08 - 12:38 | 0.50 | COMP | 36 | E | P | | STG #9) WHP 330 PSI, BRK DWN PERFS 6.4 BPM @ 2439 PSI, FG = 0.66. PMPD 110 BBLS 50.7 BPM @ 4877 PSI. 21/21PERFS OPEN - 100%. MP 4960 PSI, MR 50.7 BPM, AP 4071 PSI, AR 44.9 BPM, ISIP 2050 PSI, FG 0.73, NPI 460 PSI. PMPD 1060 BBLS SLK WTR, 38,735 LBS OTTOWA SND, 7,269 LBS TLC SND, 46,004 LBS TOTAL. |
| | 12:38 - 13:40 | 1.03 | COMP | 34 | I | P | | KILL PLUG) SET BAKER 8K CBP @ 6616'. POOH W/TOOLS. RD SCLUMBERGER WIRELINE & PMPG SERVICES. |
| | 13:40 - 17:00 | 3.33 | COMP | 31 | I | P | | RD FLOOR. ND FRAC VALVES, NU BOP. RU FLOOR & TBG EQUIP. PU 3 7/8" MILL, POBS & XN NIPPLE. RIH ON NEW 2 3/8" 4.7# J55 TBG. TAG @ 6596'. CBP @ 6616'. LD 2 JTS. EOT @ 6550'. |
| 5/15/2009 | 7:00 - 7:15 | 0.25 | COMP | 48 | | P | | 17:00 SWI - SDFN. DAY 6 - JSA & SM #6. NO H2S |

ROCKIES

Operation Summary Report

| Well: NBU 1022-5BT | | | | Spud Date: 3/8/2009 | | | | |
|--|----------------|---------------|--|---------------------|-----------|---------------------------------|--------------|--|
| Project: UTAH | | | Site: UINTAH | | | Rig Name No: GWS 1/1, PROPETRO/ | | |
| Event: COMPLETION | | | Start Date: 4/9/2009 | | End Date: | | | |
| Active Datum: RKB @5,170.00ft (above Mean Sea Level) | | | UWI: 0/10/S/22/E/5/0/NWNE/6/PM/N/1,028.00/E/0/1,886.00/0/0 | | | | | |
| Date | Time Start-End | Duration (hr) | Phase | Code | Subcode2 | P/U | MD From (ft) | Operation |
| | 7:15 - 18:00 | 10.75 | COMP | 44 | C | P | | WHP = 50 PSI. EOT @ 6550'. RIH TAG FILL @ 6596'. RU PWR SWVL & PMP. EST CIRC W/2% KCL WTR. PT BOP TO 3000 PSI. (GOOD TEST). C/O 20, SND. CBP #1) DRLG OUT BAKER 8K CBP @ 6616' IN 12 MIN. 600 PSI DIFF PRES. RIH TAG FILL @ 6872'. C/O 30' OF SND. FCP = 50 PSI. CBP #2) DRLG OUT BAKER 8K CBP @ 6902' IN 13 MIN. 400 PSI DIFF PRES. RIH TAG FILL @ 7327'. C/O 25' OF SND. FCP = 100 PSI. CBP #3) DRLG OUT BAKER 8K CBP @ 7352' IN 25 MIN. 800 PSI DIFF PRES. RIH TAG FILL @ 7585'. C/O 20 OF SND. FCP = 100 PSI. CBP #4) DRLG OUT BAKER 8K CBP @ 7605' IN 13 MIN. 600 PSI DIFF PRES. RIH TAG FILL @ 7808'. C/O 25' OF SND. FCP = 150 PSI. CBP #5) DRLG OUT BAKER 8K CBP @ 7833' IN 25 MIN. 500 PSI DIFF PRES. RIH TAG FILL @ 8095'. C/O 20' OF SND. FCP = 225 PSI. CBP #6) DRLG OUT BAKER 8K CBP @ 8115' IN 8 MIN. 400 PSI DIFF PRES. RIH TAG FILL @ 8303'. C/O 20' OF SND. FCP = 175 PSI. CBP #7) DRLG OUT BAKER 8K CBP @ 8323' IN 13 MIN. 700 PSI DIFF PRES. RIH TAG FILL @ 8522'. C/O 30' OF SND. FCP = 600 PSI. CBP #8) DRLG OUT BAKER 8K CBP @ 8552' IN 30 MIN. 700 PSI DIFF PRES. RIH TAG FILL @ 8769'. C/O 30' OF SND. FCP = 750 PSI. CBP #9) DRLG OUT BAKER 8K CBP @ 8799' IN 30 MIN. 1000 PSI DIFF PRES. RIH TAG @ 9045'. FCP = 650 PSI. BTM PERF @ 9033'. PBTD @ 9046'. RD PWR SWVL & PMP. RU TBG EQUIP. POOH & LD 16 JTS OF FLOAT (27 JTS TOTAL ON FLAOT). LAND TBG ON HANGER W/274 JTS NEW 2 3/8" 4.7# J55 TBG. EOT @ 8662.67'. POBS & XN NIPPLE @ 8564.47'. AVG 19 MIN/PLG. C/O 220' OF SND. R/D FLOOR & TBG EQUIP. FCP = 650 PSI. ND BOP, DROP BALL, NUWH. PMP OFF BIT @ 1250 PSI. WAIT 30 MIN FOR BIT TO FALL TO BTM. OPEN WELL TO F.B.T. ON 20 CHOKE. FTP = 50 PSI. SICP = 1925 PSI. TURN WELL TO F.B.C. LTR = 7495 BBLS. R/D SERVICE UNIT. 18:00 - SDFWE. 7 AM FLBK REPORT: CP 3000#, TP 2325#, 20/64" CK, 52 BWPH, TRACE SAND, MEDIUM GAS TTL BBLS RECOVERED: 3775 BBLS LEFT TO RECOVER: 6752 |
| 5/16/2009 | 7:00 - | | | 33 | A | | | |

ROCKIES

Operation Summary Report

| Well: NBU 1022-5BT | | | | Spud Date: 3/8/2009 | | | | |
|--|----------------|---------------|--|---------------------|-----------|-----|---------------------------------|--|
| Project: UTAH | | | Site: UINTAH | | | | Rig Name No: GWS 1/1, PROPETRO/ | |
| Event: COMPLETION | | | Start Date: 4/9/2009 | | | | End Date: | |
| Active Datum: RKB @5,170.00ft (above Mean Sea Level) | | | UWI: 0/10/S/22/E/5/0/NWNE/6/PM/N/1,028.00/E/0/1,886.00/0/0 | | | | | |
| Date | Time Start-End | Duration (hr) | Phase | Code | Subco de2 | P/U | MD From (ft) | Operation |
| 5/17/2009 | 7:00 - | | | 33 | A | | | 7 AM FLBK REPORT: CP 3300#, TP 2400#, 20/64" CK, 31 BWPH, TRACE SAND, MEDIUM GAS TTL BBLS RECOVERED: 4638 BBLS LEFT TO RECOVER: 5889 |
| 5/18/2009 | 7:00 - | | | 33 | A | | | 7 AM FLBK REPORT: CP 3000#, TP 2250#, 20/64" CK, 28 BWPH, TRACE SAND, 2875 GAS TTL BBLS RECOVERED: 5338 BBLS LEFT TO RECOVER: 5189 |
| 5/19/2009 | 7:00 - | | | 33 | A | | | 7 AM FLBK REPORT: CP 2850#, TP 2150#, 20/64" CK, 26 BWPH, TRACE SAND, 2780 GAS TTL BBLS RECOVERED: 5990 BBLS LEFT TO RECOVER: 4537 |

| | | | | | |
|---|--|--|---|---|--|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 | | | |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | | 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191-A | | | |
| 1. TYPE OF WELL Gas Well | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES | | | |
| 2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. | | 8. WELL NAME and NUMBER: NBU 1022-05BT | | | |
| 3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 | | 9. API NUMBER: 43047401550000 | | | |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 1028 FNL 1886 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 05 Township: 10.0S Range: 22.0E Meridian: S | | 9. FIELD and POOL or WILDCAT: NATURAL BUTTES COUNTY: UINTAH STATE: UTAH | | | |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA | | | | | |
| TYPE OF SUBMISSION <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 6/17/2013 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date: | TYPE OF ACTION <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input checked="" type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table> | | <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER | <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input checked="" type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> |
| <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER | <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input checked="" type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> | | | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The operator requests authorization to temporarily abandon the subject well location. The operator proposes to temporarily abandon the subject well to drill the NBU 1022-5B PAD; which consists of the following wells: NBU 1022-5G1BS, NBU 1022-5B1CS, NBU 1022-5B4BS, NBU 1022-5G4BS, NBU 1022-5B1BS. Please see the attached TA Procedure. | | | | | |
| NAME (PLEASE PRINT) Luke Urban | | PHONE NUMBER 720 929-6501 | | | |
| SIGNATURE N/A | | TITLE Regulatory Specialist DATE 6/17/2013 | | | |

Well Name: **NBU 1022-5BT**
 Surface Location: NWNE Sec. 5, T10, R22E
 Uintah County, UT

6/12/13

Recommended action for disposition of well bore:

This well will be temporarily abandoned to accommodate drilling operations in one of 2 ways. We will either plug the wellbore as outlined in the attached procedure or Shut-In in the following manner: a) Set a tubing plug near EOT, install a flange over the tbg hanger, removal of master valve, set VR plugs in casing head at surface, and removal of casing wing valves, replaced with blind flanges.

API: 4304740155 LEASE#: UTU-01191-A

ELEVATIONS: 5152' GL 5170' KB

TOTAL DEPTH: 9100' PBD: 9046'

SURFACE CASING: 9 5/8", 36# J-55 @ 2470' (KB)

PRODUCTION CASING: 4 1/2", 11.6# I-80 @ 9100'
 TOC @ Surface per CBL

PRODUCTION TUBING: 2 3/8" J-55, EOT @ 8565' (CMP rpt dated 4/9/09)

PERFORATIONS: WASATCH 6666' - 6872'
 MESAVERDE 7176' - 9033'

| Tubular/Borehole | Drift inches | Collapse psi | Burst psi | Capacities | | |
|--------------------------------|--------------|--------------|-----------|------------|-----------|----------|
| | | | | Gal./ft. | Cuft./ft. | Bbl./ft. |
| 2.375" 4.7# J-55 tbg. | 1.901 | 8100 | 7700 | 0.1624 | 0.02171 | 0.00387 |
| 4.5" 11.6# I-80 | 3.875 | 6350 | 7780 | 0.6528 | 0.0872 | 0.0155 |
| 9.625" 36# J-55 | 8.765 | 2020 | 3520 | 3.247 | 0.434 | 0.0773 |
| Annular Capacities | | | | | | |
| 2.375" tbg. X 4 1/2" 11.6# csg | | | | 0.4227 | 0.0565 | 0.01 |
| 4.5" csg X 9 5/8" 36# csg | | | | 2.227 | 0.2977 | 0.053 |
| 4.5" csg X 7.875 borehole | | | | 1.704 | 0.2278 | 0.0406 |
| 9.625" csg X 12 1/4" borehole | | | | 2.3428 | 0.3132 | 0.0558 |

GEOLOGICAL TOPS:

4535' Wasatch
 7130' Mesaverde

NBU 1022-5BT TEMPORARY ABANDONMENT PROCEDURE

GENERAL

- H₂S MAY BE PRESENT. CHECK FOR H₂S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESPONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- TREATED FRESH WATER WILL BE PLACED BETWEEN ALL PLUGS INSTEAD OF BRINE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDES. PREMIX 5 GALLONS PER 100 BBLS FLUID.
- NOTIFY BLM/UDOGM 24 HOURS BEFORE MOVING ON LOCATION.

PROCEDURE

Note: An estimated 26 sx of cement needed to perform procedure.

1. MIRU. KILL WELL AS NEEDED (TO INCLUDE SURFACE CSG PRESSURE). ND WH, NU AND TEST BOPE.
2. RU WIRELINE. ENSURE WELLBORE IS CLEAN. **A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE.**
3. RUN GYRO SURVEY.
4. **PLUG #1, ISOLATE MV/WAS PERFORATIONS (6666' - 9033'):** RIH W/ 4 ½" CBP. SET @ ~6620'. RELEASE CBP, PUH 10', BRK CIRC W/ FRESH WATER. PRESSURE TEST CASING TO 500 PSI. INFORM ENGINEERING IF IT DOESN'T TEST. DISPLACE A MINIMUM OF **8 SX/ 1.6 BBL/ 8.7 CUFT**. ON TOP OF PLUG. PUH ABOVE TOC (~6520'). REVERSE CIRCULATE W/ TREATED FRESH WATER (~29 BBLS).
5. **PLUG #2, PROTECT TOP OF WASATCH (4535'):** PUH TO ~4650'. BRK CIRC W/ FRESH WATER. DISPLACE A MINIMUM OF **18 SX / 3.6 BBL / 20.1 CUFT** AND BALANCE PLUG W/ TOC @ ~4420' (230' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED FRESH WATER (~69 BBLS).
6. LOWER WELLHEAD TO GROUND LEVEL TO ACCOMMODATE DRILLING OPS AND INSTALL MARKER PER UDOGM GUIDELINES.
7. RDMO. TURN OVER TO DRILLING OPERATIONS.

ALM 6/12/13

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| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | | 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191-A |
| 1. TYPE OF WELL Gas Well | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| 2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. | | 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES |
| 3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 | | 8. WELL NAME and NUMBER: NBU 1022-05BT |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 1028 FNL 1886 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 05 Township: 10.0S Range: 22.0E Meridian: S | | 9. API NUMBER: 43047401550000 |
| 10. FIELD and POOL or WILDCAT: NATURAL BUTTES | | 9. FIELD and POOL or WILDCAT: NATURAL BUTTES |
| COUNTY: UINTAH | | STATE: UTAH |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA | | |
| TYPE OF SUBMISSION | TYPE OF ACTION | |
| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: | <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION | |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/21/2013 | <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER | |
| <input type="checkbox"/> SPUD REPORT Date of Spud: | <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input checked="" type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION | |
| <input type="checkbox"/> DRILLING REPORT Report Date: | OTHER: <input style="width: 100px;" type="text"/> | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The operator has concluded the temporary abandonment operations on the subject well location on 11/21/2013. This well was plugged in order to expand and drill the NBU 1022-5B Pad wells. Please see the attached chronological well history for details. Thank you. | | |
| Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY February 28, 2014 | | |
| NAME (PLEASE PRINT) Teena Paulo | PHONE NUMBER 720 929-6236 | TITLE Staff Regulatory Specialist |
| SIGNATURE N/A | DATE 2/28/2014 | |

US ROCKIES REGION
Operation Summary Report

| Well: NBU 1022-5BT | | | | Spud Date: 3/8/2009 | | | | | |
|--|-------------------|------------------|--------|--|-------------|-----|-------------------|---|--|
| Project: UTAH-UINTAH | | | | Site: NBU 1022-5B PAD | | | | Rig Name No: | |
| Event: ABANDONMENT | | | | Start Date: 11/4/2013 | | | | End Date: | |
| Active Datum: RKB @5,170.00usft (above Mean Sea Level) | | | | UWI: 0/10/S/22/E/5/0/NWNE/6/PM/N/1,028.00/E/0/1,886.00/0/0 | | | | | |
| Date | Time Start-End | Duration (hr) | Phase | Code | Sub Code | P/U | MD From (usft) | Operation | |
| 11/7/2013 | 7:00 - 7:30 | 0.50 | ABANDT | 48 | | P | | WORK WITH WIRELINE | |
| | 7:30 - 17:30 | 10.00 | ABANDT | 45 | A | P | | WELL CONTROL 20 BBLS DOWN TUBING NDWH, NUBOPS, KILL CSG WITH 20 BBLS, UNLAND TUBING, RIG UP PRS TOH 274 JNTS, RIG UP WIRELINE RIH GYRO WELL, RIG DOWN WIRELINE RIG UP CUTTERS, RIH WITH GAUGE RING @ 6700 POOH RIH SET 8k CBP @ 6620' POOH RIH WITH TUBING TAG PLUG POOH 10' BREAK CIRC, TEST CSG TO 500#, SWIFN | |
| 11/8/2013 | 7:00 - 7:30 | 0.50 | ABANDT | 48 | | P | | CEMENTING | |
| | 7:30 - 15:30 | 8.00 | ABANDT | 51 | D | P | | TIH TBG, WHILE TRIPPING WTR TRK HIT GUY WIRE, SHUT RIG DWN UNTIL DAMAGE IS ACCESSED. LAID TBG DWN FROM DERRIC, WAIT FOR DERRICK MECHANIC, INSPECT DERRICK MONDAY, SDFWE | |
| 11/19/2013 | 12:00 - 17:00 | 5.00 | ABANDT | 31 | I | P | | ROAD RIG TO LOC, MIRU, TIH 75 JTS, EOT 2339' SWIFN | |
| 11/20/2013 | 7:00 - 7:15 | 0.25 | ABANDT | 48 | | P | | HSM, REVIEW PU TBG F/ TRAILER. | |
| | 7:15 - 10:00 | 2.75 | ABANDT | 31 | I | P | | FINISH RIH TBG F/TRAILER, TAG CBP @ 6620' PU 10' @ 6610'. | |
| | 10:00 - 11:00 | 1.00 | ABANDT | 31 | H | P | | CIRC WELL W/ 104 BBLS TREATED WATER, PRESSURE TEST 4-1/2 CSG TO 500 PSI. FOR 15 MINS HELD. | |
| | 11:00 - 15:00 | 4.00 | ABANDT | 51 | C | P | | RU PRO PETRO, PLUG# 1 CBP 6620'- CEMENT PLUG ALL CEMENT IS CLASS G, YIELD 1.145, DENISTY 15.8# , 4.9 GALWTR/SX, PUMP 2.6 BBLS FRESH, 3 BBLS, 15 SX CEMENT, DISPLACE WITH 1 BBL FRESH, 23.7 BBLS T-MAC LD 63 JTS TO 4560' PLUG# 2 CEMENT ALL CEMENT IS CLASS G, YIELD 1.145, DENISTY 15.8# , 4.9 GALWTR/SX, PUMP 2.6 BBLS FRESH, 4.1 BBLS, 20 SX CEMENT, DISPLACE WITH 1 BBL FRESH, 15.8 BBLS T-MAC BBLS T-MAC | |
| | 15:00 - 17:00 | 2.00 | ABANDT | 31 | I | P | | POOH LD 150 JTS ON TLR, ND BOP'S, NUWH, RDMO N39.98244W109.46033 ELEV 5152' | |
| 11/21/2013 | 7:00 - | | | | | | | REMOVE PRODUCTION FACILITIES TO PREPARE LOCATION FOR PAD DRILLING | |

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| <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 2/19/2015 | <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER | |
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| <input type="checkbox"/> DRILLING REPORT Report Date: | OTHER: <input style="width: 100px;" type="text"/> | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p>The NBU 1022-5BT well was returned to production on 2/19/2015 following a temporary abandonment. Please see the attached operations summary report for details. Thank you.</p> </div> <div style="width: 35%; text-align: center;"> <p>Accepted by the Utah Division of Oil, Gas and Mining</p> <p>FOR RECORD ONLY</p> <p>March 03, 2015</p> </div> </div> | | |
| NAME (PLEASE PRINT) Kristina Geno | PHONE NUMBER 720 929-6824 | TITLE Regulatory Analyst |
| SIGNATURE N/A | DATE 2/19/2015 | |

US ROCKIES REGION
Operation Summary Report

Well: NBU 1022-5BT

Spud date: 3/8/2009

Project: UTAH-UINTAH

Site: NBU 1022-5B PAD

Rig name no.: SWABBCO 6/6

Event: ABANDONMENT

Start date: 12/15/2014

End date: 2/18/2015

Active datum: RKB @5,170.00usft (above Mean Sea Level)

UWI: 0/10/S/22/E/5/0/NWNE/6/PM/N/1,028.00/E/0/1,886.00/0/0

| Date | Time Start-End | Duration (hr) | Phase | Code | Sub Code | P/U | MD from (usft) | Operation |
|------------|-------------------|------------------|--------|------|-------------|-----|-------------------|--|
| 12/15/2014 | 7:00 - | | | | | | | REBUILD PROD FACILITIES TO RETURN WELL TO PRODUCTION |
| 2/13/2015 | 7:00 - 7:30 | 0.50 | ABANDT | 48 | | P | | HSM RIGGING UP RIG & EQUIP, PINCH POINTS |
| | 7:30 - 10:00 | 2.50 | ABANDT | 30 | A | P | | RIGGED UP RIG, ND WH NU BOPS, RU FLOOR & TBG EQUIP. |
| | 10:00 - 17:00 | 7.00 | ABANDT | 31 | I | P | | TALLY & PU 37/8 MILL, POBS, 1.875 X/N & 144 JTS 23/8 J-55, TAG @ 4464', RU DRLG EQUIP INSTALLED TSF, BROKE CIRC W/ AIR/FOAM, D/O 91' HARD CMT TO 4555', CIRC CLN, KILL TBG RD SWIVEL POOH W/ 3 JTS REM TSF EOT @ 4495' SWI SDFWE. |
| 2/17/2015 | 7:00 - 7:30 | 0.50 | ABANDT | 48 | | P | | HSM WORKING W/ FOAM UNIT & POWER SWIVEL. |
| | 7:30 - 11:00 | 3.50 | ABANDT | 44 | A | P | | O PSI ON WELL, RIH W/ 3 JTS INSTALLED TSF, BROKE CIR W/ AIR/FOAM. D/O REM CMT F/ 4555'-4660' 105', 196' TOTAL, FELL FREE CIRC WELL CLN, KILL TBG, RD SWIVEL POOH W/ 6 JTS REM TSF. |
| | 11:00 - 12:00 | 1.00 | ABANDT | 31 | I | P | | RIH W/ 6 JTS PU 58 JTS 23/8 J-55 TAG @ 6498' INSTALL TSF RU SWIVEL. |
| | 12:00 - 15:00 | 3.00 | ABANDT | 44 | C | P | | BROKE CIRC W/ AIR/FOAM, D/O CMT F/ 6498' TO 6620' 122' CMT, D/O CBP @ 6620' HAD 1,000# INCREASE. CIRC CLN, KILL TBG RD SWIVEL, POOH 5 JTS REM TSF. |
| | 15:00 - 16:30 | 1.50 | ABANDT | 31 | I | P | | RIH W/ 5 JTS, PU 67 JTS TAG @ 8696', 282 JTS IN, L/D JT 282 EOT @ 8690' INSTALLED TSF, SWI SDFN. |
| 2/18/2015 | 7:00 - 7:30 | 0.50 | ABANDT | 48 | | P | | HSM, WORKING W/ FOAM UNIT |
| | 7:30 - 12:00 | 4.50 | ABANDT | 44 | D | P | | SICP 2,000, BLEW WELL DWN, RU SWIVEL, BROKE CIRC W/ AIR/FOAM UNIT, C/O HARD SCALE F/ 8696' TO 8830', SAND F/ 8830'- 9038' HIT OLD POBS, 8' RAT HOLE, PBTD @ 9046'. CIRC WELL CLN, RD SWIVEL. |
| | 12:00 - 15:00 | 3.00 | ABANDT | 31 | I | P | | L/D 11 JTS KILL, TBG REM TSF, L/D 4 MORE JTS LUB IN HANGER & LAND TBG.ND BOPS NU WH, PUMP OFF BIT. SWI FOR BUILD UP. RIG DOWN PARK RIG ON LOCATION SDFN.\n\nKB = 18'\n41/16 FMC HANGER = .83' (SURFACE OPEN)\n277 JTS 23/8 J-55 = 8549.87' (TOP 252 NEW BTM 25 USED)\nPOBS W/ 1.875 X/N = 2.20'\nEOT @ 8570.90'\n\nTWLTR = 30 BBLs\n |